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May 24, 2005
Job No. 3057.01

Mr. Phillip Ostler
Fern Cafe
55 North Venice Blvd., Suite 503
Venice, California 90291-4142

Subject: **Results of Investigation**
Fern Café - 606 Main Street, Ferndale, California
LOP# 12378; NCRWQCB Case # 1THU378

Dear Mr. Ostler:

This report presents the results of Trans Tech Consultants soil and groundwater investigation performed at the subject site. The subject site is approximately located as shown on the Site Location Map, Plate 1. The work was performed in accordance with our February 16, 2005, Work Plan, and subsequent comments made in a March 1, 2005, letter from Robert Stone of the Humboldt County Department of Health and Human Services Division of Environmental Health (HCDHHS-DEH).

Background

We understand that on September 11, 1991, Ray Haberstock Construction Company excavated two 300-gallon underground storage tanks (UST's) from a common excavation and one approximately 600-gallon UST from a separate excavation.[1] All three tanks were reportedly rusted through. Selvage, Hebre, and Nelson (SHN) collected soil and groundwater samples, under the direction of Mr. Kevin Metcalf, with the HCDHS-DEH. SHN presented the results in a Phase 1 Preliminary Investigation and Evaluation Report, dated October 1991.[2]

300-Gallon UST's

As part of the tank removal sampling, one soil sample was reportedly collected from beneath each 300-gallon UST. Soil sample Tank 1 85-88" was reportedly collected from beneath the first 300-gallon UST at approximately 7 feet below ground surface (BGS) and soil sample Tank 2 63-67" was reportedly collected from beneath the second 300-gallon UST at approximately 5 feet BGS. SHN reported that the southeast sidewall appeared clean and the remaining sidewalls appeared to be

[1] Previous correspondence inadvertently reported the tanks as two 500 gallon and one 800 gallon tank.

[2] SHN Report, Fern Café Phase 2 Soil and Groundwater Investigation Work Plan, May 1993.

impacted. Due to limited storage space onsite, a portion of the impacted soil was removed. Soil sample TP-1 8'4"-8'8" was reportedly collected from the east sidewall and soil sample TP-1 9'9" was collected from the base of the common excavation for the two 300-gallon UST's (easterly excavation). One composite soil sample was reportedly collected from the stockpiled soils from the easterly excavation and labeled TP-1 8'-10'. Groundwater was observed in the excavation at approximately 10 feet BGS and a sample was collected and labeled TP-1 9'11.5".

600-Gallon UST's

After the removal of the 600 gallon UST (Tank 3), soil sample Tank 3 63-65" was reportedly collected from beneath the UST at approximately 5 feet BGS. SHN reportedly observed the removal of additional soil from the 600-gallon UST excavation and reported that the southeast and northwest sidewalls appeared "clean" and that the remaining sidewalls were obviously contaminated. Additional soil was not removed due to the lack of onsite storage space. Soil samples TP-2 5'6" West and TP-2 9'4" West were collected from the west sidewall of the excavation and soil sample TP-2 5'6" North was collected from the north sidewall. One composite soil sample was collected from the soil stockpile and labeled TP-2 8'-10'. Groundwater was observed at 9'4" BGS and a sample was collected from the excavation and labeled TP-2 9'4".

Soil and groundwater samples were submitted to North Coast Laboratories for analysis of total petroleum hydrocarbons (TPH) as gasoline (g), TPH as diesel (d), and benzene, toluene, ethylbenzene, and xylenes (BTEX). The laboratory results are presented below in Table 1 and are expressed in milligrams per kilogram (mg/Kg), micrograms per kilogram (µg/Kg), and micrograms per liter (µg/L).

Table 1 - Tank Excavation Sample Results - September 1991

Sample ID	TPH-g	TPH-d	B	T	E	X
Soil Samples	----------mg/Kg----------		----------µg/Kg----------			
Tank 1 85"-88"[1,2]	**3,300**	**130**	**8,300**	<10	**31,000**	**62,000**
Tank 2 63"-67"[1,2]	**1,800**	**71**	<0.5	<10	<10	<10
Tank 3 63"-65"[1,2]	**410**	**38**	<1.0	<1.0	<10	<10
TP-2 5'6" West	<1.0	<1.0	**15**	<0.0050	<0.020	<0.020
TP-2 5'6" North	**4.3**	<1.0	**13**	<0.010	<0.10	<0.10
TP-2 9'4" West	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
TP-1 9'9"	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050

Table 1 Cont'd- Tank Excavation Sample Results - September 1991

Sample ID	TPH-g	TPH-d	B	T	E	X
Soil Samples	----------mg/Kg----------		----------µg/Kg----------			
TP-1 8'4"-8'8"$_2$	**37**	<1.0	**230**	<0.10	<0.10	<0.10
TP-2 9'4" North	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.005
Water Samples	----------µg/L----------					
TP-1 9'11.5"	**110**	<50	<0.50	<0.50	**1.2**	**2.3**
TP-2 9'4"$_2$	**1,100**	<50	2.5	<5.0	**9.7**	**22**

< = Less than the indicated laboratory reporting limit.
1 = The laboratory reported that these samples contained material lighter than diesel and reported only the amount in the diesel range of molecular weights.
2 = The laboratory indicated that the detection limits were raised due to matrix interference.

In October 1994, TTC advanced seven soil borings (SB-3 through SB-6, SB-8, SB-10, and SB-11) at the approximate locations shown on Plate 2. We were unable to drill borings SB-1, SB-2, SB-7, and SB-9 below depths of 1 to 2.5 feet BGS and no soil samples were collected form these borings. Two soil samples were collected from each boring for chemical analysis of TPH-g, BTEX, and total lead.

Based on the results of the soil investigation, and previous available information, three monitoring wells (MW-1 through MW-3) were installed by TTC in May 1995. Groundwater samples were collected from the wells and analyzed for TPH-g, BTEX, and total lead. The results of both the soil and groundwater investigation were presented in our August 2, 1995, *Summary Report, Supplemental Investigation.* The analytical results are tabulated in Table 2, page 4.

Table 2 - Laboratory Analytical Results from October 1994 Investigation

Boring	Depth in Feet	TPH-g	B	T	E	X	Total Lead
		mg/Kg	ug/Kg				mg/Kg
SB-3	5.0	4.0	110	17	29	29	6.2
	7.5	6.8	75	7.5	100	26	5.6
SB-4	5.0	1.8	54	22	27	110	7.0
	7.5	1.2	22	10	<2.5	10	5.4
SB-5	5.0	<2.5	<2.5	<2.5	<2.5	<2.5	6.2
	7.5	4.1	<2.5	<2.5	<2.5	<2.5	5.4
SB-6	5.0	2,300	33,000	<1,200	3,000	24,000	14
	7.5	1,400	3,600	1,600	6,100	6,100	8.6
SB-8	5.0	17	520	85	43	170	6.7
	7.5	50	390	73	32	120	6.4
SB-10	5.0	1.2	19	2.8	<2.5	13	11
	8.5	<1.0	18	<2.5	<2.5	<2.5	8.3
SB-11	5.0	<1.0	<2.5	<2.5	<2.5	<2.5	7.3
	7.5	13	150	56	30	84	6.6
B-1 (MW-1)	7.5	<0.20	<1	<1	1.6	<2	<4.9
B-2 (MW-2)	6.5	1.3	60	5.2	4	12	10.4
B-3 (MW-3)	6.5	10	74	28	21	38	9.45
B-4	7.5	0.88	8.2	41	4	13	12.7

<1 = Less than the indicated laboratory reporting limit.

In order to further assess the groundwater impact southeast of previously identified soil impact TTC proposed three hydropunch borings in a November 9, 1997, Work Plan. On July 22, 1998, TTC observed the drilling of hydropunch soil borings (B-1 through B-3) to depths of approximately 15 feet BGS at the approximate locations shown on Plate 2. In addition, a soil boring was drilled adjacent to hydropunch soil boring B-1 and completed as groundwater monitoring well MW-4. A total of six soil samples and three groundwater samples were collected for laboratory chemical analysis. The samples were analyzed for TPH-g, BTEX and total lead. No soil samples were collected from MW-4. The laboratory chemical results of the hydropunch investigation were presented in our October 6, 1998, *Summary Report Additional Groundwater Investigation.* The analytical result are also tabulated in Table 3, page 5.

Table 3: Soil Sample Analytical Results - July 1998 Investigation

Boring	Depth in Feet	TPH-g	B	T	E	X	Total Lead
		mg/Kg	----------ug/Kg----------				mg/Kg
B-1	5.0	ND	ND	ND	ND	ND	**9.0**
B-1	10.0	ND	ND	ND	ND	ND	**11.0**
B-2	5.0	ND	ND	ND	ND	ND	**8.0**
B-2	10.0	ND	ND	ND	ND	ND	**6.0**
B-3	5.0	ND	ND	ND	ND	ND	**8.0**
B-3	10.0	ND	ND	ND	ND	ND	**6.0**

ND = Analyte not detected above the laboratory reporting limit.

Table 3 Cont'd: Groundwater Sample Analytical Results - July 1998 Investigation

Boring	TPH-g	B	T	E	X	Total Lead
	mg/Kg	----------ug/Kg----------				mg/Kg
B-1-GW	ND	ND	ND	ND	ND	**ND**
B-1-GW	ND	ND	ND	ND	ND	**ND**
B-2-GW	ND	ND	ND	ND	ND	**ND**

ND = Analyte not detected above the laboratory reporting limit.

To further investigate and delineate the extent of the groundwater impact in the northwesterly, westerly, and southerly directions, TTC proceeded with an additional soil and groundwater investigation at the subject site. On October 9, 2002, Clear Heart Drilling advanced 2 soil borings (SB-12 and SB-13) and installed 2 groundwater monitoring wells (MW-5 and MW-6) at the approximate locations shown on Plate 2. The soil and groundwater samples collected from the borings and wells were analyzed for TPH-g, TPH-d, BTEX, and methyl tert buytl ether (MTBE). The results of the investigation were presented in our April 14, 2004 Summary Report and are tabulated on Tables 4 and 5, page 6.

Table 4: Soil Sample Analytical Results - October 2002

Date	Sample ID	TPH-g	TPH-d	B	T	E	X	MTBE
		mg/Kg						
10/09/02	MW-5-4'	<1.0	<5.0	<0.005	<0.005	<0.005	<0.015	<0.025
	MW-5-7'	<1.0	<5.0	<0.002	<0.002	**2.0**	**4.4**	<0.002
	SB-12-4'	**1.1**	<5.0	<0.002	<0.002	<0.002	**3.9**	<0.002
	SB-12-9'	**25**	**22***	**0.047**	**0.16**	**0.099**	**0.43**	<0.050
	SB-12-13.5'	<1.0	<5.0	<0.005	<0.005	<0.005	<0.015	<0.025
	SB-13-4'	<1.0	<5.0	<0.005	<0.005	<0.005	<0.015	<0.025
	SB-13-9'	<1.0	<5.0	<0.002	<0.002	<0.002	**3.8**	<0.002
	MW-6-4'	<1.0	<5.0	<0.005	<0.005	<0.005	<0.015	<0.025
	MW-6-9'	<1.0	<5.0	<0.002	<0.002	<0.002	**4.1**	<0.002

* = Higher boiling point constituents of weathered gasoline are present.
<1 = Less than the indicated laboratory reporting limit.

Table 5: Groundwater Sample Analytical Results - October and December 2002

Date	Sample ID	TPH-g	TPH-d	B	T	E	X	MTBE
		µg/L						
10/09/02	SB-12	**3,800**	**1,600***	<1.0	<1.0	**3.0**	<1.0	<1.0**
	SB-13	**60**	<50	<1.0	<1.0	<1.0	<1.0	<1.0**
10/24/02	SB-14	**60**	NA	<1.0	<1.0	<1.0	<1.0	<1.0**
12/04/02	MW-1	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50**
	MW-2	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50**
	MW-3	**210**	**86**	<0.30	<0.30	<0.50	<0.50	<0.50**
	MW-4	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50**
	MW-5	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50**
	MW-6	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50**

<1 = Less than the indicated laboratory reporting limit.
NA = Sample not analyzed
* = Higher boiling point constituents of weathered gasoline are present (see laboratory report for details).
** = Lead scavengers and additional fuel oxygenates were not detected above the laboratory reporting limit.

On December 3, 2003, Beacom Construction of Fortuna, California mobilized a backhoe to the site to excavate impacted soil from beneath the former dispenser island at the subject site. The location of the former dispenser island and the approximate limits of the December 2003 excavation are shown on Plate 2. Soil samples were collected from the excavation limits, and a two-point composite sample was collected from the excavated soil. The soil samples were analyzed for TPH-d, BTEX and MTBE. The results of the investigation were presented in our January 16, 2004 Summary Report and the analytical results are tabulated on Table 6, below.

Table 6: Pump Island Excavation Sample Results - December 2003

Date	Sample ID	TPH-g	TPH-d	B	T	E	X	MTBE
		mg/kg						
12/03/03	SW-NE-6.5'	**88**	**15**	<0.030	<0.030	<0.030	<0.12	<1.0
	SW-NW-7.5'	**3.0**	**1.5**	<0.0050	<0.0050	<0.0050	<0.0050	<1.0
	B-9.5'	**7.3**	<1.0	**0.32**	**0.064**	**0.21**	**0.88**	<1.0
	SW-W-6'	**26**	**2.5**	**0.070**	<0.030	<0.030	<0.090	<1.0
	SW-SE-9.5'	**110**	**46**	<0.060	<0.060	<0.060	<0.18	<1.0
	SP-A,B	**500**	**23**	<0.75	<0.75	<0.75	<2.2	<1.5

< Indicates less than the laboratory reported detection limit.

A total of 79.55 tons of impacted soil was removed from beneath the former dispenser location. The material was disposed of at the Bio-Industries Inc. facility in Red Bluff, California. Impacted soil was removed from the excavation until field readings indicated concentrations less than 100 ppm. Analysis results from the base and sidewall of the final excavation limits ranged from 3.0 to 110 mg/kg. The excavation was backfilled and resurfaced with concrete.

Groundwater samples have been collected, and flow directions measured, from the monitoring wells on a regular basis since their installation. The monitoring period has extended from May 1995 (MW-1 through MW-3), July 1998 (MW-4), and October 2002 (MW-5 and MW-6). The concentrations have fluctuated over the years and it has become evident that the contaminant concentrations have generally decreased over time. The historical groundwater flow direction results are attached in Appendix A and the historical groundwater analytical data is attached in Appendix B.

Site Description

The western half of the subject property is relatively flat, while the eastern half slopes gently to the east. The site is located approximately 1/8 mile east of Francis Creek, and is bounded on the northeast by a private residence, on the northwest by Main Street, on the southeast by a lumber yard, and on the southwest by Shaw Avenue. The property contains one structure and two larger contiguous buildings which house a variety of small businesses, including the former Fern Café.

Geology

Published geologic maps indicate that the site is underlain by estuarine deposits consisting of silty sands and clayey silts. Underlying the estuarine deposits is the Hookton formation, consisting of weakly consolidated marine sands with minor pebbly beds and clay strata. During the tank removal, silt and silty clay was found beneath approximately two feet of fill material to a depth of approximately 12 feet below ground surface (BGS). Based on topography, and the results of this investigation, local groundwater flow direction is predominantly to the northeast. Groundwater levels in the monitoring wells have historically ranged from approximately 4 to 9 feet BGS.

Recent Field Activities

On May 5, 2005, Clear Heart Drilling advanced 4 soil borings (SB-15 and SB-18) at the approximate locations shown on Plate 2. The work was performed to further investigate the extent and concentrations of the groundwater impact in the vicinity of SB-12 and to the north and west of the former UST's and pump island. The work was performed under permit from Humboldt County, and the California Department of Transportation (CalTrans). The soil borings were advanced to approximately 15 feet BGS using truck mounted 6-inch hollow stem auger equipment. Our geologist observed the drilling procedures and obtained soil samples at maximum depth intervals of five feet, at pronounced changes in soil type, from zones of obvious contamination, and from just above free groundwater. A relatively shallow underground utility was encountered while drilling boring SB-15 and an unidentified wood object was encountered while drilling boring SB-17. The soil borings were subsequently re-located within a few feet of their original positions. Two soil samples from borings SB-15 and SB-16 and one soil sample from SB-17 and SB-18 were collected for laboratory chemical analysis. The samples were collected by using a 2-inch inside diameter split spoon sampler lined with clean stainless steel sample tubes. Temporary screens were placed in the borings for the collection of grab water samples. The soils encountered in the soil borings are shown graphically on the boring Logs, Plates A-D, and were classified in accordance with the Unified Soil Classification System. In general, soils encountered consisted of brown clayey silt from just below the ground surface to approximately 3-4 feet BGS. The clayey silt is underlain to approximately 15 feet BGS, the maximum depth explored, by greyish, brownish, soft clayey silt with sand. Previous geologic research indicates that near-surface soils are predominantly silt with some clay and sand.

Groundwater was encountered in the borings between approximately 10 and 13 feet BGS. Grab groundwater samples were collected from each boring and were submitted for laboratory chemical analysis.

Samples collected for laboratory chemical analysis were recovered in pre-cleaned, 2-inch stainless steel tubes. Upon recovery, secondary samples were obtained from the tubes using an Encore® sample hammer and 5 milligram Encore® sample containers pursuant with Environmental Protection Agency (EPA) 5035 protocols. After Encore® sample recovery, the sample remaining in the stainless steel tube was capped with non-adhesive silicon tape and plastic caps, labeled, stored on ice, and transported with the Encore® sample tubes and under chain-of-custody to Alpha Analytical Laboratories (Alpha) of Ukiah, California within 24 hours for Encore® sample preservation.

Sampling equipment was cleaned with a phosphate-free detergent solution and double rinsed with clean water between sampling events. Drilling and sampling equipment was pressure washed between borings. At the completion of drilling activities, soil borings SB-15 and SB-16 were abandoned by tremie grouting with a cement/bentonite grout and capped with sand and asphalt. Soil borings SB-17 and SB-18 were abandoned by filling with bentonite chips and hydrating in approximate 3 foot lifts and capping with sand and asphalt. The soil cuttings generated during the investigation were placed in 55-gallon drums and stored onsite, pending disposal. Rinse water generated by the field investigation was contained in a wooden frame lined with 6 mil plastic sheets and pumped into 55-gallon drums and stored onsite, pending disposal.

Laboratory Analytical Results

Two soil samples from borings SB-15 and SB-16 and one soil sample from SB-17 and SB-1 were submitted to Alpha. Grab groundwater samples collected from the borings were also submitted to Alpha. Alpha is a State certified laboratory for the analyses requested. The soil samples collected were analyzed for TPH-g, TPH-d, BTEX, and MTBE using EPA Test Method 8260. One soil sample per boring was collected pursuant to EPA Test Method 5035 protocol and preserved by the laboratory within 48 hours of collection. The groundwater samples collected from the monitoring wells were analyzed by Alpha for TPH-g, TPH-d, BTEX, MTBE and the additional five oxygenated fuel additives using EPA Test methods 8020, 8015, 8260B, respectively. In addition, one soil sample was analyzed for total lead. Chain-of-custody documentation was maintained throughout the project. The laboratory analytical results of the soil and groundwater samples collected are presented in Tables 7 and 8, page 11. The Alpha laboratory analytical reports including the chain of custody documentation are presented in Appendix A.

Table 7: Soil Sample Analytical Results - May 2005

Date	Sample ID	TPH-g	TPH-d	B	T	E	X	MTBE
		mg/Kg						
05/05/05	SB-15-8.5'	**7.0**	**130**	<0.17*	<0.17*	<0.17*	<0.17*	<0.17*
	SB-15-13'	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-16-10.5'	**1.1**	<2.0*	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-16-14'	**1.5**	<3.0*	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	SB-17-10'	**8.1**	<3.0*	**0.016**	<0.0050	<0.0050	<0.0050	<0.0050
	SB-18-10'	<1.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

<1 = Less than the indicated laboratory reporting limit.
* = The reporting limits for this analysis have been raised to account for matrix interference.

Table 8: Groundwater Sample Analytical Results - October/December 2002

Date	Sample ID	TPH-g	TPH-d	B	T	E	X	MTBE
		µg/L						
05/05/05	SB-15	**1,300**	<50	**0.81**	**0.73**	**0.70**	**0.75**	<0.50
	SB-16	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50
	SB-17	**1,200**	**110**	**160**	<6.0*	<10*	<10*	<10*
	SB-18	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50

<1 = Less than the indicated laboratory reporting limit.
* = The reporting limits for this analysis have been raised to account for matrix interference.

Closure

Groundwater samples collected from SB-12 in October 2002 contained a TPH-g concentration of 3,900 µg/L. The recent groundwater samples collected within 5 feet of, and on two sides of SB-12, indicated that groundwater concentrations have decreased in the area since the October 2002 investigation. The decrease in groundwater concentrations is largely attributed to the remedial activities performed in December 2003.

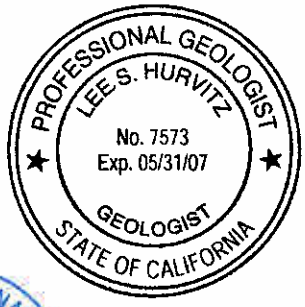
The analytical results of the soil samples collected during this investigation indicates that limited and localized impact to soil from TPH-g and TPH-d is present in the immediate vicinity of the former Fern Café. Soil sample SB-15-8.5 contained TPH-g at a concentration of 7.0 mg/Kg and TPH-d at a concentration of 130mg/Kg. The TPH-d result was footnoted by the laboratory indicating that the presence of hydrocarbons lower in molecular weight than diesel were present in the sample.

The analytical results of the groundwater samples collected during this and previous investigations suggest that localized groundwater impact is present in Main Street adjacent to the former Fern Café site and adjacent to the former fueling station site across Main Street. The analytical results from soil and groundwater samples collected from the borings SB-16 and SB-18 and previous borings SB-13 and SB-14 further suggests that the groundwater impact from the former Fern Café is relatively localized. The groundwater samples collected from borings SB-15 and SB-17 were similar in TPH-g concentrations. However, the difference in TPH-d and benzene concentrations suggest that the contamination detected in the borings may not be from the same source. The UST's at the former fueling station located across Main Street from the subject site were reportedly closed in place and boring SB-17 was drilled approximately 15 feet south of the reported location of the former pump islands.

Based on the result of the remedial activities performed at the site, the data presented herein and the lack of identified high risk groundwater receptors, we respectfully request that this site be considered for case closure and that no further action be required.

We appreciate the opportunity to be of service to you and trust that this provides the information you require at this time. If you have any questions or require any additional information, please feel free to contact us at (707) 575-8622 or www.transtechconsultants.com.

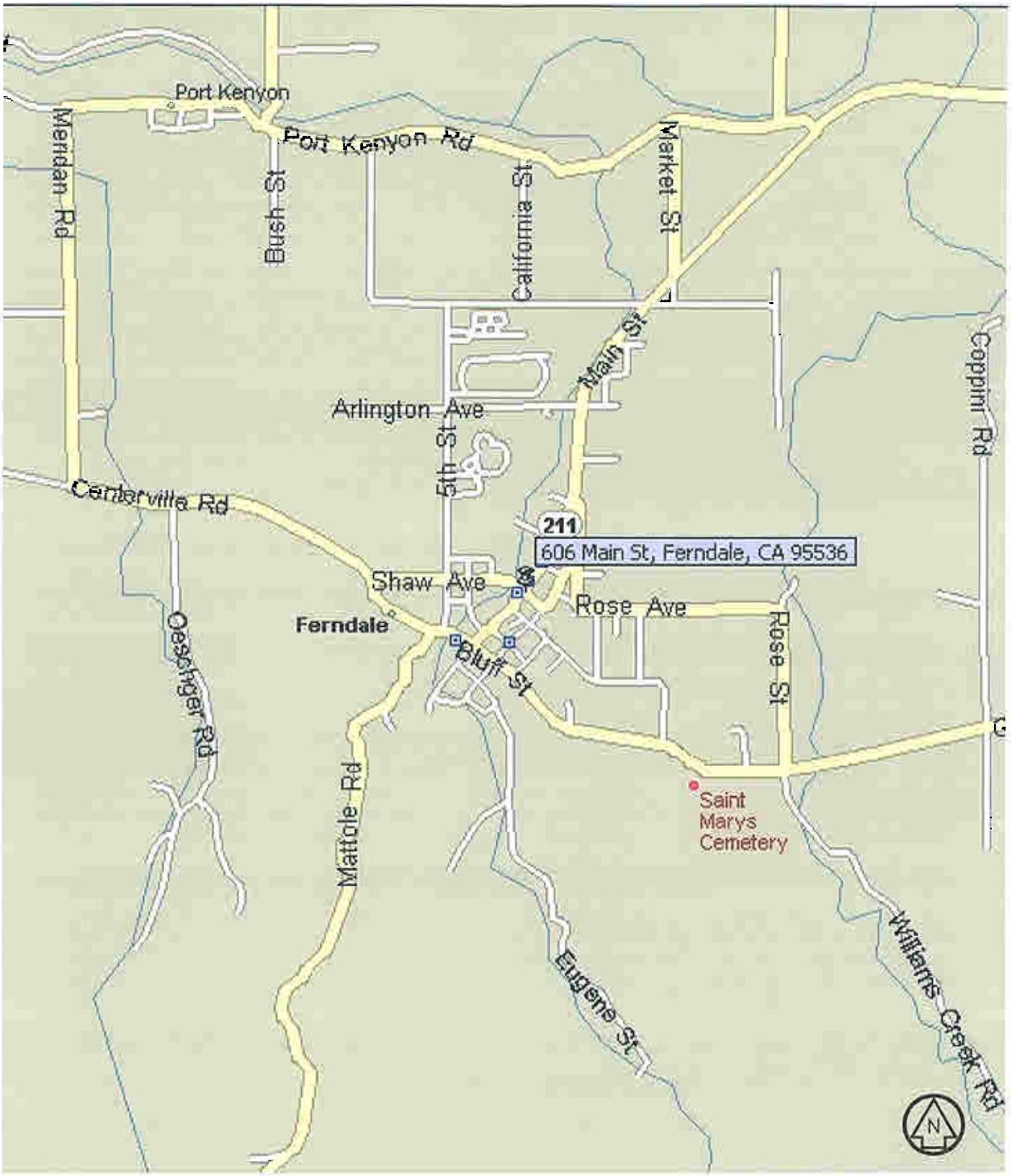
Sincerely,
TRANS TECH CONSULTANTS



Lee S. Hurvitz, PG #7573
Senior Geologist

Bill C. Wiggins, PE
Registered Civil Engineer

Attachments:
Plate 1, Site Location Map
Plate 2, Site Plan
Plates A-D, Log of Borings SB-15 through SB-18
Appendix A, Historical Groundwater Flow Direction and Gradient
Appendix B, Historical Groundwater Analytical Data
Appendix C, Alpha Analytical Laboratories Reports dated May 19th and 20th 2005
Distribution List



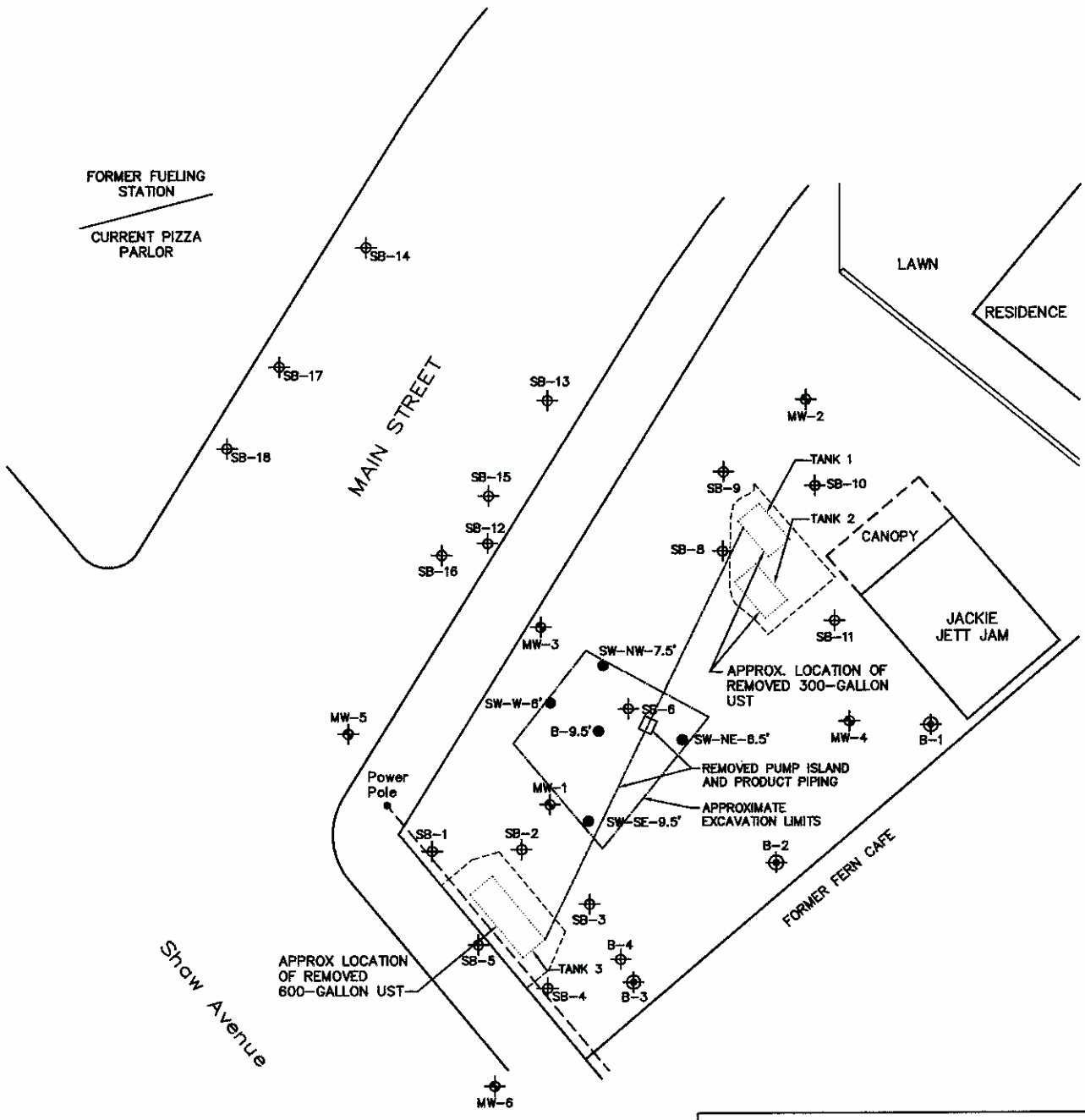
TRANS TECH CONSULTANTS
930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

SITE LOCATION MAP

FERN CAFE
606 MAIN STREET
FERNDALE, CALIFORNIA

PLATE: 1

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
PSC	3057.01.03 SLM	LSH	3057.01.03	A-212		8/25/03



LEGEND

- HYDROPUNCH SAMPLING LOCATION
- MONITORING WELL LOCATION
- SOIL SAMPLE LOCATION
- SOIL BORING LOCATION
- ----- PREVIOUS EXCAVATION LIMITS
- —·— NEW EXCAVATION LIMITS

N

0' 2' 4' 8' 16'

1/16" = 1'

TRANS TECH CONSULTANTS

930 SHILOH RD., BLDG 44, SUITE J
WINDSOR, CA 95492
PHONE: 707-575-8622 FAX: 707-837-7334

SITE PLAN

FORMER FERN CAFE
606 MAIN STREET
FERNDALE, CALIFORNIA

PLATE: 2

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
PSC	3057.01 SP	LSH	3057.01	A-755		5/23/05

Date: 5/5/05
Logged By: LSH
Drill Start Time: 10:45
Drill End Time: 12:15

BORING No.
SB–15

Boring Location – See Site Plan

See Unified Soil Classification System (USCS) for Legend and information not noted.

Drilling Contractor: CLEARHEART
Driller's Name: PABLO/FRED
Drilling Method: 6" HOLLOW STEM
Sampling Method: CMSSS
Hammer Weight, lbs. 140

MW Installed: Y ☐ N ☒ if no, boring filled with:
Cement ☒ Bentonite: Cement ☐ Grout ☐ Chips ☐
Auger Depth, ft: 15 Total Depth, ft: 15.5
Hydropunch Int., ft: NA Temp Screen, ft: 10

Notes: HAND AUGER TO 5'

Sample	Sample Condition	Inches Recovered	C = CMSSS Sp = Std. Pin	Blows / 6 in.	Initial Free Water	Static Water	PID (ppm) maximum, not stabilized	Odor	Discolored	USCS Soil Class.	Depth in Feet	Graphic Log	Estimated Gravel, %	Estimate Sand, %	Estimated Silt, %	Estimated Clay, %	**Description:** Soil Type (USCS); Color; Moisture Condition (dry, moist, wet); Relative Density – sand & gravel (v. loose, loose, m. dense, dense, v. dense); Consistency – silt & clay (v. soft, soft, m. stiff, stiff, v. stiff, hard)
							NA	NO	NO	A							ASPHALT
										B	1						BASEROCK
									YES								BLUEISH SILT/CLAY
									NO		2						BROWNISH SILT/CLAY
											3						
											4						BROWNISH GREY MOTTLED
									YES								CLAYEY SILT
											5						
		6		3						ML				15	60	25	BLUEISH GREY CLAYEY SILT, MOIST
		6	C	3							6			15	60	25	TO WET, MED STIFF, SOME SAND
	G	6		3										15	60	25	
		6		2				YES			7			35	50	15	SAND INCREASES
	G	6	C	3										35	50	15	
		6		3							8			35	50	15	
		6		2		▼								35	50	15	
	G	6	C	2							9			35	50	15	
		6		3										35	50	15	
		6		2							10			35	50	15	
	G	6	C	2				NO	NO					40	50	10	BROWN MOTTLED SANDY SILT WITH
		6		3							11			40	50	10	SOME CLAY, WET, MED STIFF
		6		3						ML/SM				40	50	10	
	G	6	C	3							12			40	50	10	
		6		3										40	50	10	
		6		2							13			40	50	10	BROWNISH MOTTLED SANDY SILT
	G	6	C	2										40	50	10	WET, SOFT
		6		2							14			40	50	10	
		6		3										20	60	20	BROWNISH CLAYEY SILT WITH
		6	C	2						ML	15			20	60	20	SAND, MOIST TO WET MED STIFF
		6		3			▼	▼	▼					20	60	20	
											16						

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BORING LOG SB–15

FERN CAFE
606 MAIN STREET
FERNDALE, CALIFORNIA

PLATE: A–1

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
JLP	3057.01 BL	LSH	3057.01	A–755		5/23/05

Date: 5/05/05
Logged By: BRH
Drill Start Time: 12:30
Drill End Time: 1:30

BORING No.
SB–16

Boring Location – See Site Plan

See Unified Soil Classification System (USCS) for Legend and information not noted.

Drilling Contractor: CLEARHEART
Driller's Name: PABLO/FRED
Drilling Method: 6" AUGER HOLLOW STEM
Sampling Method: CMSSS
Hammer Weight, lbs. 140

MW Installed: Y ☐ N ☒ if no, boring filled with:
Cement ☒ Bentonite: Cement ☐ Grout ☐ Chips ☐
Auger Depth, ft: 15 Total Depth, ft: 15
Hydropunch Int., ft: NA Temp Screen, ft: 10

Notes: HAND AUGER FIRST 5 FEET

Sample	Sample Condition	Inches Recovered	C = CMSSS SP = Std. Pin	Blows / 6 in.	Initial Free Water	Static Water	PID (ppm) maximum, not stabilized	Odor	Discolored	USCS Soil Class.	Depth in Feet	Graphic Log	Estimated Gravel, %	Estimate Sand, %	Estimated Silt, %	Estimated Clay, %	**Description:** Soil Type (USCS); Color; Moisture Condition (dry, moist, wet); Relative Density – sand & gravel (v. loose, loose, m. dense, dense, v. dense); Consistency – silt & clay (v. soft, soft, m. stiff, stiff, v. stiff, hard)
							NA	No	No		1						ASPHALT/ROADBASE
											2						GREY/BROWN, MOTTLED, CLAYEY SILT, MOIST
									↓		3						(V. FAINT ODOR)
									YES		4						
											5						
	G	6		2											60	40	DARK GREY, CLAYEY SILT, MOIST,
		6	C	2							6				60	40	MED. STIFF
		6		2											60	40	
										ML	7						
											8						
											9						
		6		2		▼					10			10	50	40	GREY, CLAYEY SILT, WET MEDIUM STIFF
	G	6	C	2										30	50	20	GRADES TO SANDY SILT
		6		2							11			30	50	20	(V. FINE SAND)
										ML/SM	12						
											13						
	G	6		2							14			30	50	20	GREY, SANDY SILT, WET MED STIFF
		6	C	2										30	50	20	MOTTLED GREY BROWN @ 15 FEET
		6		2			↓	↓	↓		15			30	50	20	
											16						

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BORING LOG SB–16

FERN CAFE
606 MAIN STREET
FERNDALE, CALIFORNIA

PLATE: B–1

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
JLP	3057.01 BL	LSH	3057.01	A–755		5/23/05

Date: 5/05/05
Logged By: LSH
Drill Start Time: 3:15
Drill End Time: 4:30

BORING No.
SB–17

Boring Location – See Site Plan

See Unified Soil Classification System (USCS) for Legend and information not noted.

Drilling Contractor: CLEARHEART
Driller's Name: PABLO/FRED
Drilling Method: 6" HOLLOW STEM
Sampling Method: CMSSS
Hammer Weight, lbs. 140

MW Installed: Y ☐ N ☒ if no, boring filled with:
Cement ☐ Bentonite: Cement ☐ Grout ☐ Chips ☒
Auger Depth, ft: 15 Total Depth, ft: 15
Hydropunch Int., ft: NA Temp Screen, ft: 10'

Notes: HAND AUGER TO 5'

Sample	Sample Condition	Inches Recovered	C = CMSSS SP = Std. Pin	Blows / 6 in.	Initial Free Water	Static Water	PID (ppm) maximum, not stabilized	Odor	Discolored	USCS Soil Class.	Depth in Feet	Graphic Log	Estimated Gravel, %	Estimate Sand, %	Estimated Silt, %	Estimated Clay, %	**Description:** Soil Type (USCS); Color; Moisture Condition (dry, moist, wet); Relative Density – sand & gravel (v. loose, loose, m. dense, dense, v. dense); Consistency – silt & clay (v. soft, soft, m. stiff, stiff, v. stiff, hard)
							NA	No	YES	A							ASPHALT
										B	1						BASEROCK
																	GREY SANDY CLAYEY SILT
											2						MOIST
											3						
											4						
											5			15	50	35	GREYISH CLAYEY SILT W/
	G	6	C	2										15	50	35	SOME SAND, MOIST, SOFT
		6		2							6			15	50	35	
											7						
											8						
										ML	9						
		6		2				YES			10			35	50	15	GREYISH SANDY SILT W/ SOME
	G	6	C	2										35	50	15	CLAY, WET, SOFT
		6		2							11			35	50	15	
											12						
											13						
		6		1				No	No		14			25	50	25	BROWNISH SANDY CLAYEY SILT
	G	6	C	2										25	50	25	MOIST TO WET, MED STIFF
		6		3							15			25	50	25	
											16						

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BORING LOG SB–17

FERN CAFE
606 MAIN STREET
FERNDALE, CALIFORNIA

PLATE: C–1

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
JLP	3057.01 BL	LSH	3057.01	A–755		5/23/05

Date: 5/05/05
Logged By: LSH
Drill Start Time: 4:50
Drill End Time: 5:45

BORING No.
SB–18

Boring Location – See Site Plan

See Unified Soil Classification System (USCS) for Legend and information not noted.

Drilling Contractor: CLEARHEART
Driller's Name: PABLO/FRED
Drilling Method: 6" HOLLOW STEM AUGERS
Sampling Method: CMSSS
Hammer Weight, lbs. 140

MW Installed: Y ☐ N ☒ if no, boring filled with:
Cement ☐ Bentonite: Cement ☐ Grout ☐ Chips ☒
Auger Depth, ft: 15 Total Depth, ft: 15
Hydropunch Int., ft: NA Temp Screen, ft: 10

Notes: HAND AUGER TO 5'

Sample	Sample Condition	Inches Recovered	C = CMSSS SP = Std. Pin	Blows / 6 in.	Initial Free Water	Static Water	PID (ppm) maximum, not stabilized	Odor	Discolored	USCS Soil Class.	Depth in Feet	Graphic Log	Estimated Gravel, %	Estimate Sand, %	Estimated Silt, %	Estimated Clay, %	**Description:** Soil Type (USCS); Color; Moisture Condition (dry, moist, wet); Relative Density – sand & gravel (v. loose, loose, m. dense, dense, v. dense); Consistency – silt & clay (v. soft, soft, m. stiff, stiff, v. stiff, hard)
							NA	No	No	A							ASPHALT
										B	1						BASEROCK
											2						
								YES	YES		3						
											4						
										ML	5						
X		6		2										10	60	30	BLUEISH GREY SILT, MOIST
X	G	6	C	2							6			10	60	30	SOFT
X		6		2										10	60	30	
											7						
											8						
											9						
X		6		2				No	No		10			20	50	30	BROWNISH CLAYEY SILT, MOIST TO WET
■	G	6	C	2										20	50	30	MED STIFF
X		6		3						ML	11			20	50	30	
											12						
											13						
X		2		2							14			30	50	20	BROWNISH SANDY SILT WITH
X	G	6	C	2										30	50	20	CLAY, MOIST TO WET, SOFT
X		6		2			↓	↓	↓		15			30	50	20	
											16						

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BORING LOG SB–18

FERN CAFE
606 MAIN STREET
FERNDALE, CALIFORNIA

PLATE: D–1

DRAWN BY:	DWG NAME:	APPR. BY:	JOB NUMBER:	W.O. NUMBER:	REVISIONS:	DATE:
JLP	3057.01 BL	LSH	3057.01	A–755		5/09/05

APPENDIX A

Appendix A - Historical Groundwater Flow Direction and Gradient

Sample Date	Well ID	TOC Elevation	Water Level Depth	Water Level Elevation	Groundwater Flow Direction/Gradient
8/24/95	MW-1	50.92	7.21	43.71	N18°E i = 0.022
	MW-2	50.79	8.13	42.66	
	MW-3	51.00	7.71	43.29	
9/25/95	MW-1	50.92	6.22	44.70	North i = 0.065
	MW-2	50.79	8.75	42.04	
	MW-3	51.00	7.60	43.40	
10/24/95	MW-1	50.92	6.77	44.15	N13°W i = 0.034
	MW-2	50.79	7.80	42.99	
	MW-3	51.00	7.53	43.47	
12/04/95	MW-1	50.92	6.10	44.82	N 10°W i = 0.011
	MW-2	50.79	6.38	44.41	
	MW-3	51.00	6.41	44.59	
12/21/95	MW-1	50.92	4.12	46.80	S 59°E i = 0.018
	MW-2	50.79	4.01	46.78	
	MW-3	51.00	4.00	47.00	
01/26/96	MW-1	50.92	5.23	45.69	S 62°E i = 0.008
	MW-2	50.79	5.13	45.66	
	MW-3	51.00	5.23	45.77	
02/26/96	MW-1	50.92	5.33	45.59	N 68°E i = 0.008
	MW-2	50.79	5.51	45.28	
	MW-3	51.00	5.46	45.54	
03/25/96	MW-1	50.92	6.10	44.82	N 89°E i = 0.047
	MW-2	50.79	7.21	43.58	
	MW-3	51.00	6.13	44.87	
04/21/96	MW-1	50.92	5.68	45.24	S 59°E i = 0.032
	MW-2	50.79	5.51	45.28	
	MW-3	51.00	6.12	44.88	

Appendix A Continued - Historical Groundwater Flow Direction and Gradient

Sample Date	Well ID	TOC Elevation	Water Level Depth	Water Level Elevation	Groundwater Flow Direction/Gradient
05/28/96	MW-1	50.92	6.52	44.40	N 42°W i = 0.045
	MW-2	50.79	6.98	43.81	
	MW-3	51.00	7.31	43.69	
07/10/96	MW-1	50.92	5.92	45.00	S 72°E i = 0.014
	MW-2	50.79	5.96	44.83	
	MW-3	51.00	5.90	45.10	
07/17/96	MW-1	50.92	5.88	45.04	S 64°E i = 0.028
	MW-2	50.79	5.89	44.90	
	MW-3	51.00	5.68	45.32	
07/08/98	MW-1	50.92	6.24	44.68	N69°E i = 0.015
	MW-2	50.79	6.71	44.08	
	MW-3	51.00	6.41	44.59	
9/29/98	MW-1	50.92	6.88	44.04	N23°E i=0.019
	MW-2	50.79	7.65	43.14	
	MW-3	51.00	7.30	43.70	
	MW-4	50.66	7.00	43.66	
12/30/99	MW-1	50.92	6.40	44.52	N8°E i = 0.014
	MW-2	50.79	6.90	43.89	
	MW-3	51.00	6.78	44.24	
	MW-4	50.66	6.37	44.29	
09/07/00	MW-1	50.92	6.40	44.52	N61°E i = 0.037
	MW-2	50.79	7.50	43.29	
	MW-3	51.00	6.40	44.60	
	MW-4	50.66	6.80	43.86	

Appendix A Continued - Historical Groundwater Flow Direction and Gradient

Sample Date	Well ID	TOC Elevation	Water Level Depth	Water Level Elevation	Groundwater Flow Direction/Gradient
12/19/00	MW-1	50.92	5.91	45.01	N35°E i = 0.012
	MW-2	50.79	6.38	44.41	
	MW-3	51.00	5.93	45.07	
	MW-4	50.66	5.51	45.15	
03/27/01	MW-1	50.92	6.02	44.90	N42°E i = 0.011
	MW-2	50.79	6.41	44.38	
	MW-3	51.00	6.20	44.80	
	MW-4	50.66	6.07	44.59	
07/26/01	MW-1	50.92	6.28	44.64	N 53° E i = 0.011
	MW-2	50.79	7.35	43.44	
	MW-3	51.00	6.05	44.95	
	MW-4	50.66	6.35	44.31	
10/16/01	MW-1	50.92	6.66	44.26	N 65° E i = 0.03
	MW-2	50.79	7.72	43.07	
	MW-3	51.00	6.38	44.62	
	MW-4	50.66	6.81	43.85	
01/15/02	MW-1	50.92	5.69	45.23	N 25°E i = 0.02
	MW-2	50.79	5.91	44.88	
	MW-3	51.00	6.18	44.82	
	MW-4	50.66	5.76	44.90	

Appendix A Continued - Historical Groundwater Flow Direction and Gradient

Sample Date	Well ID	TOC Elevation	Water Level Depth	Water Level Elevation	Groundwater Flow Direction/Gradient
04/23/02	MW-1	50.92	6.22	44.70	N 25°E i = 0.01
	MW-2	50.79	6.78	44.01	
	MW-3	51.00	6.41	44.59	
	MW-4	50.66	6.21	44.45	
07/23/02	MW-1	50.92	6.67	44.25	N 30°E i = 0.01
	MW-2	50.79	7.89	42.90	
	MW-3	51.00	7.04	43.96	
	MW-4	50.66	6.82	43.84	
12/02/02	MW-1	50.92	7.40	43.52	N 25°E i = 0.03
	MW-2	50.79	7.81	42.98	
	MW-3	51.00	6.93	44.07	
	MW-4	50.66	6.74	43.92	
	MW-5	51.08	6.68	44.40	
	MW-6	50.75	6.04	44.71	
03/37/03	MW-1	50.92	4.98	45.94	N 55°W i = 0.03
	MW-2	50.79	5.40	45.39	
	MW-3	51.00	5.03	45.97	
	MW-4	50.66	4.58	46.08	
	MW-5	51.08	6.09	44.99	
	MW-6	50.75	5.15	45.60	
05/16/03	MW-1	50.92	5.88	45.04	N 10°E i = 0.03
	MW-2	50.79	7.11	43.68	
	MW-3	51.00	6.29	44.71	
	MW-4	50.66	6.11	44.55	
	MW-5	51.08	6.56	44.52	
	MW-6	50.75	5.66	45.09	

Appendix A Continued - Historical Groundwater Flow Direction and Gradient

Sample Date	Well ID	TOC Elevation	Water Level Depth	Water Level Elevation	Groundwater Flow Direction/Gradient
09/12/03	MW-1	50.92	6.87	44.05	N 20°E i = 0.03
	MW-2	50.79	7.88	42.91	
	MW-3	51.00	7.02	43.98	
	MW-4	50.66	6.70	43.96	
	MW-5	51.08	6.88	44.20	
	MW-6	50.75	6.16	44.59	
03/04/04	MW-1	50.92	5.69	45.23	N10°E i = 0.02
	MW-2	50.79	6.49	44.30	
	MW-3	51.00	6.00	45.00	
	MW-4	50.66	5.60	45.06	
	MW-5	51.08	6.02	45.06	
	MW-6	50.75	5.40	45.35	
07/02/04	MW-1	50.92	6.85	44.07	N10°E i = 0.02
	MW-2	50.79	7.85	42.94	
	MW-3	51.00	7.26	43.74	
	MW-4	50.66	6.90	43.76	
	MW-5	51.08	7.03	44.05	
	MW-6	50.75	6.00	44.75	
10/29/04	MW-1	50.92	6.02	44.90	N13°W i = 0.03
	MW-2	50.79	6.85	43.94	
	MW-3	51.00	6.73	44.27	
	MW-4	50.66	5.83	44.83	
	MW-5	51.08	6.70	44.38	
	MW-6	50.75	5.52	45.23	

Appendix A Continued - Historical Groundwater Flow Direction and Gradient

Sample Date	Well ID	TOC Elevation	Water Level Depth	Water Level Elevation	Groundwater Flow Direction/Gradient
03/16/05	MW-1	50.92	6.42	44.50	Northerly i = 0.03
	MW-2	50.79	7.40	43.39	
	MW-3	51.00	7.16	43.84	
	MW-4	50.66	6.40	44.26	
	MW-5	51.08	6.65	44.43	
	MW-6	50.75	5.80	44.95	

APPENDIX B

Appendix B - Historical Groundwater Analytical Data

Sample Date	Well ID	TPH-g	B	T	E	X	Lead
		µg/L					
05/20/95	MW-1	240	1.9	ND	1.5	2.5	ND
	MW-2	250	6.7	0.64	2.4	1.6	6.54
	MW-3	ND	ND	ND	ND	ND	12.4
08/24/95	MW-1	ND	0.62	ND	ND	ND	24.2
	MW-2	ND	ND	ND	ND	ND	13.4
	MW-3	130	5.7	0.77	1.0	ND	5.92
12/04/95	MW-1	290	14	1.5	2.2	1.6	22
	MW-2	ND	ND	ND	ND	ND	4
	MW-3	280	11	1.4	4.5	1.0	8
02/26/96	MW-1	290	11	1.6	2.9	2.0	46
	MW-2	ND	ND	ND	ND	ND	11
	MW-3	260	12	1.6	3.6	1.2	6
05/28/96	MW-1	360	17	1.3	1.9	1.7	NA
	MW-2	ND	ND	ND	ND	ND	NA
	MW-3	230	10	ND	2.4	ND	NA
07/08/98	MW-1	ND	NA	0.50	1.0	ND	ND
	MW-2	ND	NA	ND	ND	ND	ND
	MW-3	120	NA	2.4	1.1	ND	ND

ND = Not detected at or above laboratory reporting limits.
NA = Not analyzed.

Appendix B Continued - Historical Groundwater Analytical Data

Sample Date	Well ID	TPH-g	TPH-d	B	T	E	X	MTBE	Total Lead
		----------µg/L----------							mg/L
09/29/98	MW-1	**84**	NA	**0.82**	**0.75**	**0.50**	**2.5**	ND	ND
	MW-2	ND	NA	ND	ND	ND	ND	ND	ND
	MW-3	**74**	NA	**0.64**	**0.74**	ND	**1.6**	ND	ND
	MW-4	ND	NA	ND	ND	ND	ND	ND	ND
03/01/99	MW-1	**60**	ND	**1.5**	**0.72**	**0.73**	**2.1**	NA	NA
	MW-2	ND	ND	ND	ND	ND	ND	NA	NA
	MW-3	**430**	ND	**9.4**	**2.1**	**2.3**	**4.4**	NA	NA
	MW-4	ND	ND	ND	ND	ND	ND	NA	NA
12/30/99	MW-1	**130**	ND	ND	**2.3**	**2.6**	**2.1**	<100	NA
	MW-2	ND	ND	ND	ND	ND	ND	<100	NA
	MW-3	**810**	**180***	**7.1**	**3.1**	**3.1**	**7.0**	<100	NA
	MW-4	ND	ND	ND	ND	ND	ND	<100	NA
09/07/00	MW-1	**58**	ND	ND	ND	ND	**2.3**	<25	NA
	MW-2	ND	ND	ND	ND	ND	ND	<25	NA
	MW-3	**1,200**	**440***	**16**	**3.8**	**4.0**	**10**	<50	NA
	MW-4	ND	ND	ND	ND	ND	ND	<25	NA
12/19/00	MW-1	ND	ND	ND	ND	ND	ND	<50	NA
	MW-2	ND	ND	ND	ND	ND	ND	<50	NA
	MW-3	**700**	**230***	**7.8**	**1.1**	**1.3**	**4.0**	<50	NA
	MW-4	ND	ND	ND	ND	ND	ND	<50	NA
03/27/01	MW-1	**96**	ND	ND	ND	ND	ND	<25	NA
	MW-2	ND	ND	ND	ND	ND	ND	<25	NA
	MW-3	**860**	**180***	**13**	**1.3**	**2.5**	**7.2**	<25	NA
	MW-4	ND	ND	ND	ND	ND	ND	<25	NA

Appendix B Continued - Historical Groundwater Analytical Data

Sample Date	Well ID	TPH-g	TPH-d	B	T	E	X	MTBE	Total Lead
		µg/L							mg/L
07/26/01	MW-1	<50	<50	**0.74**	<1.0	<1.0	<1.0	<1.0	NA
	MW-2	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	NA
	MW-3	**520**	<50	**3.5**	**4.0**	**2.3**	**4.8**	<1.0	NA
	MW-4	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	NA
10/16/01	MW-1	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0**	NA
	MW-2	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0**	NA
	MW-3	**330**	**98***	<1.0	<1.0	<1.0	<1.0	<1.0**	NA
	MW-4	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0**	NA
01/15/02	MW-1	<50	<50	<0.3	<0.3	<0.5	<0.5	<0.5**	NA
	MW-2	<50	<50	<0.3	<0.3	<0.5	<0.5	<0.5**	NA
	MW-3	**190**	**50**	**1.0**	<0.3	<0.5	<0.5	<0.5**	NA
	MW-4	<50	<50	**0.57**	<0.3	<0.5	<0.5	<0.5**	NA
04/23/02	MW-1	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5***	NA
	MW-2	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5***	NA
	MW-3	**210**	**53**	**0.90**	<0.5	<0.5	**0.55**	<0.5***	NA
	MW-4	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5***	NA
07/23/02	MW-1	<50	<50	**0.57**	<0.30	<0.50	<0.50	<0.50**	NA
	MW-2	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50**	NA
	MW-3	**250**	<50	**1.8**	<0.30	<0.50	<0.50	<0.50**	NA
	MW-4	<50	<50	0.75	<0.30	<0.50	<0.50	<0.50**	NA

Appendix B Continued - Historical Groundwater Analytical Data

Sample Date	Well ID	TPH-g	TPH-d	B	T	E	X	MTBE	Total Lead
		µg/L							mg/L
12/04/02	MW-1	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50**	NA
	MW-2	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50**	NA
	MW-3	**210**	**86**	<0.30	<0.30	<0.50	<0.50	<0.50**	NA
	MW-4	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50**	NA
	MW-5	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50**	NA
	MW-6	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50**	NA
03/27/03	MW-1	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50*	NA
	MW-2	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50*	NA
	MW-3	**160**	<50	**1.0**	<0.30	<0.50	<0.50	<0.50*	NA
	MW-4	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50*	NA
	MW-5	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50*	NA
	MW-6	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50*	NA
05/16/03	MW-1	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50*	NA
	MW-2	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50*	NA
	MW-3	**100**	<50	**0.99**	<0.30	<0.50	<0.50	<0.50*	NA
	MW-4	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50*	NA
	MW-5	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50*	NA
	MW-6	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50*	NA

Appendix B Continued - Historical Groundwater Analytical Data

Sample Date	Well ID	TPH-g	TPH-d	B	T	E	X	MTBE	Total Lead
		µg/L							mg/L
09/12/03	MW-1	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-2	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-3	**250**	<50	**0.32**	<0.30	<0.50	<0.50	<0.50	NA
	MW-4	<50	**70**	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-5	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-6	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
03/04/04	MW-1	<50	**140**	**0.36**	<0.30	<0.50	<0.50	<0.50	NA
	MW-2	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-3	**130**	**240**	**1.0**	<0.30	<0.50	<0.50	<0.50	NA
	MW-4	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-5	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-6	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
7/02/04	MW-1	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-2	NA	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-3	**120**	<50	<3.0	<3.0	<5.0	<5.0	<5.0	NA
	MW-4	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-5	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-6	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA

Appendix B Continued - Historical Groundwater Analytical Data

Sample Date	Well ID	TPH-g	TPH-d	B	T	E	X	MTBE	Total Lead
		µg/L							mg/L
10/29/04	MW-1	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-2	NA	NA	NA	NA	NA	NA	NA	NA
	MW-3	**130**	<50	**0.60**	<0.30	<0.50	<0.50	<0.50	NA
	MW-4	NA	NA	NA	NA	NA	NA	NA	NA
	MW-5	NA	NA	NA	NA	NA	NA	NA	NA
	MW-6	NA	NA	NA	NA	NA	NA	NA	NA
03/16/05	MW-1	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-2	NA	NA	NA	NA	NA	NA	NA	NA
	MW-3	**51**	<50	<0.30	<0.30	<0.50	<0.50	<0.50	NA
	MW-4	NA	NA	NA	NA	NA	NA	NA	NA
	MW-5	NA	NA	NA	NA	NA	NA	NA	NA
	MW-6	NA	NA	NA	NA	NA	NA	NA	NA

ND = Results are below laboratory reporting limits
NA = Not Analyzed
* = Higher boiling point components of gasoline are present
** = Also ND for additional fuel oxygenates and lead scavengers.
*** = See laboratory report for additional oxygenates detected.

APPENDIX C

Alpha Analytical Laboratories Inc.
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20 May 2005

Trans Tech Consultants
Attn: Bill Wiggins
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
RE: Fern Cafe
Work Order: A505227

Enclosed are the results of analyses for samples received by the laboratory on 05/06/05 12:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Jansen

Lisa E. Jansen For Sheri L. Speaks
Project Manager

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-15-8.5'	A505227-01	Soil	05/05/05 11:35	05/06/05 12:00
SB-16-10.5'	A505227-02	Soil	05/05/05 12:55	05/06/05 12:00
SB-17-10'	A505227-03	Soil	05/05/05 16:05	05/06/05 12:00
SB-18-10'	A505227-04	Soil	05/05/05 17:40	05/06/05 12:00
SB-15	A505227-05	Water	05/05/05 17:40	05/06/05 12:00
SB-16	A505227-06	Water	05/05/05 14:30	05/06/05 12:00
SB-17	A505227-07	Water	05/05/05 17:45	05/06/05 12:00
SB-18	A505227-08	Water	05/05/05 18:15	05/06/05 12:00

Lisa Jansen

Lisa E. Jansen For Sheri L. Speaks
Project Manager

5/20/05

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
SB-15-8.5' (A505227-01)			**Sample Type: Soil**			**Sampled: 05/05/05 11:35**			
Metals by EPA 6000/7000 Series Methods									
Lead	EPA 6010	AE51202	05/12/05	05/16/05	1	**10 mg/kg**		**5.0**	
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AE51315	05/13/05	05/13/05	1	**130 mg/kg**		**1.0**	D-07
TPH as Gasoline	8015GRO	AE51306	05/06/05	05/17/05	"	**7.0 "**		**1.0**	
Surrogate: 1,4-Bromofluorobenzene	*8015DRO*	*AE51315*	*05/13/05*	*05/13/05*		*174 %*	*20-152*		*S-02*
Surrogate: 1,4-Bromofluorobenzene	*8015GRO*	*AE51306*	*05/06/05*	*05/17/05*		*94.0 %*	*60-156*		
Volatile Organic Compounds by EPA Methods 8260B/5035									**R-06**
Benzene	EPA 8260B	AE51216	05/06/05	05/12/05	173.2	ND mg/kg		0.17	
Toluene	"	"	"	"	"	ND "		0.17	
Ethylbenzene	"	"	"	"	"	ND "		0.17	
Xylenes (total)	"	"	"	"	"	ND "		0.17	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.17	
Surrogate: Bromofluorobenzene	*"*	*"*	*"*	*"*		*111 %*	*68-113*		
Surrogate: Dibromofluoromethane	*"*	*"*	*"*	*"*		*91.9 %*	*40-140*		
Surrogate: Toluene-d8	*"*	*"*	*"*	*"*		*118 %*	*61-119*		
SB-16-10.5' (A505227-02)			**Sample Type: Soil**			**Sampled: 05/05/05 12:55**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AE51315	05/13/05	05/13/05	1	ND mg/kg		2.0	QB-03
TPH as Gasoline	8015GRO	AE51306	05/06/05	05/17/05	"	**1.1 "**		**1.0**	
Surrogate: 1,4-Bromofluorobenzene	*8015DRO*	*AE51315*	*05/13/05*	*05/13/05*		*61.7 %*	*20-152*		
Surrogate: 1,4-Bromofluorobenzene	*8015GRO*	*AE51306*	*05/06/05*	*05/17/05*		*88.8 %*	*60-156*		

Lisa Jansen

Lisa E. Jansen For Sheri L. Speaks
Project Manager

5/20/05

Alpha Analytical Laboratories Inc.
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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
SB-16-10.5' (A505227-02)			**Sample Type: Soil**			**Sampled: 05/05/05 12:55**			
Volatile Organic Compounds by EPA Methods 8260B/5035									
Benzene	EPA 8260B	AE51612	05/06/05	05/13/05	1	ND mg/kg		0.0050	
Toluene	"	"	"	"	"	ND "		0.0050	
Ethylbenzene	"	"	"	"	"	ND "		0.0050	
Xylenes (total)	"	"	"	"	"	ND "		0.0050	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.0050	
Surrogate: Bromofluorobenzene	"	"	"	"		*101 %*	*68-113*		
Surrogate: Dibromofluoromethane	"	"	"	"		*104 %*	*40-140*		
Surrogate: Toluene-d8	"	"	"	"		*114 %*	*61-119*		
SB-17-10' (A505227-03)			**Sample Type: Soil**			**Sampled: 05/05/05 16:05**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AE51315	05/13/05	05/13/05	1	ND mg/kg		3.0	QB-03
TPH as Gasoline	8015GRO	AE51306	05/06/05	05/17/05	"	**8.1 "**		**1.0**	
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"		*75.0 %*	*60-156*		
Surrogate: 1,4-Bromofluorobenzene	*8015DRO*	*AE51315*	*05/13/05*	*05/13/05*		*64.1 %*	*20-152*		
Volatile Organic Compounds by EPA Methods 8260B/5035									
Benzene	EPA 8260B	AE51612	05/06/05	05/13/05	1	**0.016 mg/kg**		**0.0050**	
Toluene	"	"	"	"	"	ND "		0.0050	
Ethylbenzene	"	"	"	"	"	ND "		0.0050	
Xylenes (total)	"	"	"	"	"	ND "		0.0050	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.0050	
Surrogate: Bromofluorobenzene	"	"	"	"		*102 %*	*68-113*		
Surrogate: Dibromofluoromethane	"	"	"	"		*104 %*	*40-140*		
Surrogate: Toluene-d8	"	"	"	"		*116 %*	*61-119*		
SB-18-10' (A505227-04)			**Sample Type: Soil**			**Sampled: 05/05/05 17:40**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AE51315	05/13/05	05/13/05	1	ND mg/kg		1.0	
TPH as Gasoline	8015GRO	AE51306	05/06/05	05/17/05	"	ND "		1.0	
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"		*91.2 %*	*60-156*		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Jansen

Lisa E. Jansen For Sheri L. Speaks
Project Manager

5/20/05

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
SB-18-10' (A505227-04)			**Sample Type: Soil**			**Sampled: 05/05/05 17:40**			
TPH by EPA/LUFT GC/GCMS Methods (cont'd)									
Surrogate: 1,4-Bromofluorobenzene	*8015DRO*	*AE51315*	*05/13/05*	*05/13/05*		*61.6 %*	*20-152*		
Volatile Organic Compounds by EPA Methods 8260B/5035									
Benzene	EPA 8260B	AE51612	05/06/05	05/13/05	1	ND mg/kg		0.0050	
Toluene	"	"	"	"	"	ND "		0.0050	
Ethylbenzene	"	"	"	"	"	ND "		0.0050	
Xylenes (total)	"	"	"	"	"	ND "		0.0050	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.0050	
Surrogate: Bromofluorobenzene	"	"	"	"		*103 %*	*68-113*		
Surrogate: Dibromofluoromethane	"	"	"	"		*107 %*	*40-140*		
Surrogate: Toluene-d8	"	"	"	"		*122 %*	*61-119*		*S-GC*
SB-15 (A505227-05)			**Sample Type: Water**			**Sampled: 05/05/05 17:40**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AE51011	05/10/05	05/11/05	1	ND ug/l		50	
TPH as Gasoline	8260GRO	AE51705	05/16/05	05/17/05	5	**1300 "**		**250**	
Surrogate: Tetratetracontane	*8015DRO*	*AE51011*	*05/10/05*	*05/11/05*		*35.3 %*	*20-152*		
Surrogate: Toluene-d8	*8260GRO*	*AE51705*	*05/16/05*	*05/17/05*		*102 %*	*70-129*		
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AE51918	"	05/19/05	1	**0.81 ug/l**		**0.30**	
Toluene	"	"	"	"	"	**0.73 "**		**0.30**	
Ethylbenzene	"	"	"	"	"	**0.70 "**		**0.50**	
Xylenes (total)	"	"	"	"	"	**0.75 "**		**0.50**	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Di-isopropyl ether	"	"	"	"	"	ND "		0.50	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Tert-amyl methyl ether	"	"	"	"	"	ND "		0.50	
Tert-butyl alcohol	"	"	"	"	"	ND "		10	
Surrogate: Bromofluorobenzene	"	"	"	"		*116 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*91.6 %*	*85-129*		

Lisa Jansen

Lisa E. Jansen For Sheri L. Speaks
Project Manager

5/20/05

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
SB-15 (A505227-05)			**Sample Type: Water**			**Sampled: 05/05/05 17:40**			
Volatile Organic Compounds by EPA Method 8260B (cont'd)									
Surrogate: Toluene-d8	*EPA 8260B*	"	"	*05/19/05*		*120 %*	*74-137*		
SB-16 (A505227-06)			**Sample Type: Water**			**Sampled: 05/05/05 14:30**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AE51011	05/10/05	05/11/05	1	ND ug/l		50	
TPH as Gasoline	8260GRO	AE51705	05/16/05	05/17/05	"	ND "		50	
Surrogate: Tetratetracontane	*8015DRO*	*AE51011*	*05/10/05*	*05/11/05*		*41.6 %*	*20-152*		
Surrogate: Toluene-d8	*8260GRO*	*AE51705*	*05/16/05*	*05/17/05*		*102 %*	*70-129*		
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AE51718	"	05/17/05	1	ND ug/l		0.30	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Di-isopropyl ether	"	"	"	"	"	ND "		0.50	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Tert-amyl methyl ether	"	"	"	"	"	ND "		0.50	
Tert-butyl alcohol	"	"	"	"	"	ND "		10	
Surrogate: Bromofluorobenzene	"	"	"	"		*92.4 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*90.8 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*102 %*	*74-137*		
SB-17 (A505227-07)			**Sample Type: Water**			**Sampled: 05/05/05 17:45**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AE51011	05/10/05	05/11/05	1	**110 ug/l**		**50**	D-07
TPH as Gasoline	8260GRO	AE51705	05/16/05	05/17/05	20	**1200 "**		**1000**	
Surrogate: Tetratetracontane	*8015DRO*	*AE51011*	*05/10/05*	*05/11/05*		*53.1 %*	*20-152*		
Surrogate: Toluene-d8	*8260GRO*	*AE51705*	*05/16/05*	*05/17/05*		*115 %*	*70-129*		

Lisa Jansen

Lisa E. Jansen For Sheri L. Speaks
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5/20/05

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
SB-17 (A505227-07)			**Sample Type: Water**			**Sampled: 05/05/05 17:45**			
Volatile Organic Compounds by EPA Method 8260B									**R-06**
Benzene	EPA 8260B	AE51718	"	05/17/05	20	**160 ug/l**		**6.0**	
Toluene	"	"	"	"	"	ND "		6.0	
Ethylbenzene	"	"	"	"	"	ND "		10	
Xylenes (total)	"	"	"	"	"	ND "		10	
Methyl tert-butyl ether	"	"	"	"	"	ND "		10	
Di-isopropyl ether	"	"	"	"	"	ND "		10	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		10	
Tert-amyl methyl ether	"	"	"	"	"	ND "		10	
Tert-butyl alcohol	"	"	"	"	"	ND "		200	
Surrogate: Bromofluorobenzene	"	"	"	"		*98.8 %*	*45-147*		
Surrogate: Dibromofluoromethane	"	"	"	"		*99.6 %*	*85-129*		
Surrogate: Toluene-d8	"	"	"	"		*115 %*	*74-137*		
SB-18 (A505227-08)			**Sample Type: Water**			**Sampled: 05/05/05 18:15**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AE51011	05/10/05	05/11/05	1	ND ug/l		50	
TPH as Gasoline	8260GRO	AE51705	05/16/05	05/17/05	"	ND "		50	
Surrogate: Tetratetracontane	*8015DRO*	*AE51011*	*05/10/05*	*05/11/05*		*43.5 %*	*20-152*		
Surrogate: Toluene-d8	*8260GRO*	*AE51705*	*05/16/05*	*05/17/05*		*105 %*	*70-129*		
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AE51718	"	05/17/05	1	ND ug/l		0.30	
Toluene	"	"	"	"	"	ND "		0.30	
Ethylbenzene	"	"	"	"	"	ND "		0.50	
Xylenes (total)	"	"	"	"	"	ND "		0.50	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Di-isopropyl ether	"	"	"	"	"	ND "		0.50	
Ethyl tert-butyl ether	"	"	"	"	"	ND "		0.50	
Tert-amyl methyl ether	"	"	"	"	"	ND "		0.50	
Tert-butyl alcohol	"	"	"	"	"	ND "		10	
Surrogate: Bromofluorobenzene	"	"	"	"		*91.6 %*	*45-147*		

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Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
SB-18 (A505227-08)		**Sample Type: Water**			**Sampled: 05/05/05 18:15**			
Volatile Organic Compounds by EPA Method 8260B (cont'd)								
Surrogate: Dibromofluoromethane	*EPA 8260B*	"	"	*05/17/05*		*95.6 %*	*85-129*	
Surrogate: Toluene-d8	"	"	"	"		*105 %*	*74-137*	

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A505227	05/06/2005 12:00	TRANSTEC	

Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51202 - EPA 3051 Microwave										
Blank (AE51202-BLK1)				Prepared: 05/12/05 Analyzed: 05/13/05						
Lead	ND	5.0	mg/kg							
LCS (AE51202-BS1)				Prepared: 05/12/05 Analyzed: 05/13/05						
Lead	20.2	5.0	mg/kg	20.0		101	85-115			
LCS Dup (AE51202-BSD1)				Prepared: 05/12/05 Analyzed: 05/13/05						
Lead	20.3	5.0	mg/kg	20.0		102	85-115	0.494	20	
Duplicate (AE51202-DUP1)		**Source: A505261-23**		Prepared: 05/12/05 Analyzed: 05/13/05						
Lead	59.5	5.0	mg/kg		54			9.69	20	
Matrix Spike (AE51202-MS1)		**Source: A505261-23**		Prepared: 05/12/05 Analyzed: 05/13/05						
Lead	54.0	5.0	mg/kg	20.0	54	0.00	70-130			QM-04
Matrix Spike Dup (AE51202-MSD1)		**Source: A505261-23**		Prepared: 05/12/05 Analyzed: 05/13/05						
Lead	78.1	5.0	mg/kg	20.0	54	120	70-130	36.5	20	QM-04

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Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51011 - EPA 3510B Water										
Blank (AE51011-BLK1)				Prepared: 05/10/05 Analyzed: 05/11/05						
TPH as Diesel	ND	50	ug/l							
Surrogate: Tetratetracontane	*23.7*		"	*110*		*21.5*	*20-152*			
LCS (AE51011-BS1)				Prepared: 05/10/05 Analyzed: 05/11/05						
TPH as Diesel	1430	50	ug/l	2000		71.5	52-136			
Surrogate: Tetratetracontane	*86.6*		"	*110*		*78.7*	*20-152*			
Matrix Spike (AE51011-MS1)	**Source: A505227-05**			Prepared: 05/10/05 Analyzed: 05/11/05						
TPH as Diesel	1660	50	ug/l	2000	ND	83.0	61-129			
Surrogate: Tetratetracontane	*64.6*		"	*110*		*58.7*	*20-152*			
Matrix Spike Dup (AE51011-MSD1)	**Source: A505227-05**			Prepared: 05/10/05 Analyzed: 05/11/05						
TPH as Diesel	1510	50	ug/l	2000	ND	75.5	61-129	9.46	25	
Surrogate: Tetratetracontane	*67.4*		"	*110*		*61.3*	*20-152*			
Batch AE51306 - EPA 5030 Soil GC										
Blank (AE51306-BLK1)				Prepared & Analyzed: 05/17/05						
TPH as Gasoline	ND	1.0	mg/kg							
Surrogate: 1,4-Bromofluorobenzene	*3.89*		"	*4.00*		*97.2*	*60-156*			
LCS (AE51306-BS1)				Prepared & Analyzed: 05/17/05						
TPH as Gasoline	20.3	1.0	mg/kg	24.0		84.6	77-139			
Surrogate: 1,4-Bromofluorobenzene	*4.03*		"	*4.00*		*101*	*60-156*			
LCS (AE51306-BS2)				Prepared & Analyzed: 05/17/05						
TPH as Gasoline	20.9	1.0	mg/kg	24.0		87.1	77-139			
Surrogate: 1,4-Bromofluorobenzene	*3.90*		"	*4.00*		*97.5*	*60-156*			

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Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51306 - EPA 5030 Soil GC										
Matrix Spike (AE51306-MS1)	**Source: A505248-02**			Prepared & Analyzed: 05/17/05						
TPH as Gasoline	19.6	1.0	mg/kg	24.0	1.5	75.4	72-138			
Surrogate: 1,4-Bromofluorobenzene	*3.87*		"	*4.00*		*96.8*	*60-156*			
Batch AE51315 - CA LUFT - orb shaker										
Blank (AE51315-BLK1)				Prepared & Analyzed: 05/13/05						
TPH as Diesel	1.75	1.0	mg/kg							QB-03
Surrogate: 1,4-Bromofluorobenzene	*7.15*		"	*11.6*		*61.6*	*20-152*			
LCS (AE51315-BS1)				Prepared & Analyzed: 05/13/05						
TPH as Diesel	37.2	1.0	mg/kg	39.2		94.9	63-126			
Surrogate: 1,4-Bromofluorobenzene	*8.41*		"	*11.6*		*72.5*	*20-152*			
Matrix Spike (AE51315-MS1)	**Source: A505227-04**			Prepared & Analyzed: 05/13/05						
TPH as Diesel	35.6	1.0	mg/kg	39.2	ND	90.8	61-134			
Surrogate: 1,4-Bromofluorobenzene	*8.00*		"	*11.6*		*69.0*	*20-152*			
Matrix Spike Dup (AE51315-MSD1)	**Source: A505227-04**			Prepared & Analyzed: 05/13/05						
TPH as Diesel	36.4	1.0	mg/kg	39.2	ND	92.9	61-134	2.22	20	
Surrogate: 1,4-Bromofluorobenzene	*7.91*		"	*11.6*		*68.2*	*20-152*			
Batch AE51705 - EPA 5030 Water GCMS										
Blank (AE51705-BLK1)				Prepared & Analyzed: 05/16/05						
TPH as Gasoline	ND	50	ug/l							
Surrogate: Toluene-d8	*27.1*		"	*25.0*		*108*	*70-129*			

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CHEMICAL EXAMINATION REPORT

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Attn: Bill Wiggins

Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51705 - EPA 5030 Water GCMS										
LCS (AE51705-BS1)				Prepared & Analyzed: 05/16/05						
TPH as Gasoline	204	50	ug/l	200		102	65-137			
Surrogate: Toluene-d8	*26.6*		"	*25.0*		*106*	*70-129*			
LCS Dup (AE51705-BSD1)				Prepared & Analyzed: 05/16/05						
TPH as Gasoline	207	50	ug/l	200		104	65-137	1.46	20	
Surrogate: Toluene-d8	*28.4*		"	*25.0*		*114*	*70-129*			
Matrix Spike (AE51705-MS1)	**Source: A505227-06**			Prepared: 05/16/05 Analyzed: 05/17/05						
TPH as Gasoline	236	50	ug/l	200	ND	112	65-137			
Surrogate: Toluene-d8	*31.2*		"	*25.0*		*125*	*70-129*			

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Project No: 3057.01
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Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51718 - EPA 5030 Water GCMS										
Blank (AE51718-BLK1)				Prepared & Analyzed: 05/16/05						
Benzene	ND	0.30	ug/l							
Toluene	ND	0.30	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Tert-amyl methyl ether	ND	0.50	"							
Tert-butyl alcohol	ND	10	"							
Surrogate: Bromofluorobenzene	*24.0*		"	*25.0*		*96.0*	*45-147*			
Surrogate: Dibromofluoromethane	*25.4*		"	*25.0*		*102*	*85-129*			
Surrogate: Toluene-d8	*27.1*		"	*25.0*		*108*	*74-137*			
LCS (AE51718-BS1)				Prepared & Analyzed: 05/16/05						
Benzene	9.99	0.30	ug/l	10.0		99.9	79-116			
Toluene	10.9	0.30	"	10.0		109	83-120			
Ethylbenzene	11.1	0.50	"	10.0		111	81-119			
Xylenes (total)	31.8	0.50	"	30.0		106	79-121			
Methyl tert-butyl ether	11.3	0.50	"	10.0		113	73-127			
Di-isopropyl ether	11.4	0.50	"	10.1		113	69-96			QL-03
Ethyl tert-butyl ether	10.9	0.50	"	10.2		107	76-117			
Tert-amyl methyl ether	12.2	0.50	"	10.3		118	80-122			
Tert-butyl alcohol	223	10	"	196		114	53-132			
Surrogate: Bromofluorobenzene	*24.8*		"	*25.0*		*99.2*	*45-147*			
Surrogate: Dibromofluoromethane	*23.9*		"	*25.0*		*95.6*	*85-129*			
Surrogate: Toluene-d8	*26.4*		"	*25.0*		*106*	*74-137*			

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Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51718 - EPA 5030 Water GCMS										
LCS Dup (AE51718-BSD1)				Prepared & Analyzed: 05/16/05						
Benzene	10.4	0.30	ug/l	10.0		104	79-116	4.02	25	
Toluene	11.2	0.30	"	10.0		112	83-120	2.71	25	
Ethylbenzene	11.6	0.50	"	10.0		116	81-119	4.41	25	
Xylenes (total)	32.9	0.50	"	30.0		110	79-121	3.40	25	
Methyl tert-butyl ether	11.8	0.50	"	10.0		118	73-127	4.33	25	
Di-isopropyl ether	12.0	0.50	"	10.1		119	69-96	5.13	25	QL-03
Ethyl tert-butyl ether	11.5	0.50	"	10.2		113	76-117	5.36	25	
Tert-amyl methyl ether	12.6	0.50	"	10.3		122	80-122	3.23	25	
Tert-butyl alcohol	250	10	"	196		128	53-132	11.4	25	
Surrogate: Bromofluorobenzene	*26.5*		"	*25.0*		*106*	*45-147*			
Surrogate: Dibromofluoromethane	*25.2*		"	*25.0*		*101*	*85-129*			
Surrogate: Toluene-d8	*28.3*		"	*25.0*		*113*	*74-137*			
Matrix Spike (AE51718-MS1)	**Source: A505226-03**			Prepared & Analyzed: 05/16/05						
Benzene	10.1	0.30	ug/l	10.0	ND	101	63-144			
Toluene	10.8	0.30	"	10.0	ND	108	65-145			
Ethylbenzene	11.0	0.50	"	10.0	ND	110	57-155			
Xylenes (total)	31.0	0.50	"	30.0	ND	103	59-149			
Methyl tert-butyl ether	11.6	0.50	"	10.0	ND	116	62-156			
Di-isopropyl ether	11.7	0.50	"	10.1	ND	116	58-115			QM-05
Ethyl tert-butyl ether	11.0	0.50	"	10.2	ND	108	57-147			
Tert-amyl methyl ether	12.2	0.50	"	10.3	ND	118	53-153			
Tert-butyl alcohol	257	10	"	196	ND	131	41-147			
Surrogate: Bromofluorobenzene	*23.3*		"	*25.0*		*93.2*	*45-147*			
Surrogate: Dibromofluoromethane	*22.5*		"	*25.0*		*90.0*	*85-129*			
Surrogate: Toluene-d8	*24.8*		"	*25.0*		*99.2*	*74-137*			

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A505227	05/06/2005 12:00	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51918 - EPA 5030 Water GCMS										
Blank (AE51918-BLK1)				Prepared & Analyzed: 05/18/05						
Benzene	ND	0.30	ug/l							
Toluene	ND	0.30	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Tert-amyl methyl ether	ND	0.50	"							
Tert-butyl alcohol	ND	10	"							
Surrogate: Bromofluorobenzene	*24.4*		"	*25.0*		*97.6*	*45-147*			
Surrogate: Dibromofluoromethane	*21.4*		"	*25.0*		*85.6*	*85-129*			
Surrogate: Toluene-d8	*26.4*		"	*25.0*		*106*	*74-137*			
LCS (AE51918-BS1)				Prepared & Analyzed: 05/18/05						
Benzene	9.17	0.30	ug/l	10.0		91.7	79-116			
Toluene	10.3	0.30	"	10.0		103	83-120			
Ethylbenzene	10.5	0.50	"	10.0		105	81-119			
Xylenes (total)	30.0	0.50	"	30.0		100	79-121			
Methyl tert-butyl ether	11.4	0.50	"	10.0		114	73-127			
Di-isopropyl ether	10.5	0.50	"	10.1		104	69-96			QL-03
Ethyl tert-butyl ether	11.5	0.50	"	10.2		113	76-117			
Tert-amyl methyl ether	13.0	0.50	"	10.3		126	80-122			QL-03
Tert-butyl alcohol	196	10	"	196		100	53-132			
Surrogate: Bromofluorobenzene	*24.5*		"	*25.0*		*98.0*	*45-147*			
Surrogate: Dibromofluoromethane	*21.6*		"	*25.0*		*86.4*	*85-129*			
Surrogate: Toluene-d8	*25.6*		"	*25.0*		*102*	*74-137*			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Jansen

Lisa E. Jansen For Sheri L. Speaks
Project Manager

5/20/05

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51918 - EPA 5030 Water GCMS										
LCS Dup (AE51918-BSD1)				Prepared & Analyzed: 05/18/05						
Benzene	8.51	0.30	ug/l	10.0		85.1	79-116	7.47	25	
Toluene	9.33	0.30	"	10.0		93.3	83-120	9.88	25	
Ethylbenzene	9.67	0.50	"	10.0		96.7	81-119	8.23	25	
Xylenes (total)	27.3	0.50	"	30.0		91.0	79-121	9.42	25	
Methyl tert-butyl ether	11.0	0.50	"	10.0		110	73-127	3.57	25	
Di-isopropyl ether	9.81	0.50	"	10.1		97.1	69-96	6.79	25	QL-03
Ethyl tert-butyl ether	11.2	0.50	"	10.2		110	76-117	2.64	25	
Tert-amyl methyl ether	12.4	0.50	"	10.3		120	80-122	4.72	25	
Tert-butyl alcohol	219	10	"	196		112	53-132	11.1	25	
Surrogate: Bromofluorobenzene	*23.2*		"	*25.0*		*92.8*	*45-147*			
Surrogate: Dibromofluoromethane	*20.6*		"	*25.0*		*82.4*	*85-129*			S-GC
Surrogate: Toluene-d8	*24.1*		"	*25.0*		*96.4*	*74-137*			
Matrix Spike (AE51918-MS1)	**Source: A505276-01**			Prepared & Analyzed: 05/18/05						
Benzene	4.78	0.30	ug/l	10.0	ND	47.8	63-144			QM-05
Toluene	5.28	0.30	"	10.0	ND	52.8	65-145			QM-05
Ethylbenzene	5.01	0.50	"	10.0	ND	50.1	57-155			QM-05
Xylenes (total)	14.4	0.50	"	30.0	ND	48.0	59-149			QM-05
Methyl tert-butyl ether	5.43	0.50	"	10.0	ND	54.3	62-156			QM-05
Di-isopropyl ether	4.97	0.50	"	10.1	ND	49.2	58-115			QM-05
Ethyl tert-butyl ether	6.34	0.50	"	10.2	ND	62.2	57-147			
Tert-amyl methyl ether	6.10	0.50	"	10.3	ND	59.2	53-153			
Tert-butyl alcohol	116	10	"	196	ND	59.2	41-147			
Surrogate: Bromofluorobenzene	*26.1*		"	*25.0*		*104*	*45-147*			
Surrogate: Dibromofluoromethane	*24.0*		"	*25.0*		*96.0*	*85-129*			
Surrogate: Toluene-d8	*27.8*		"	*25.0*		*111*	*74-137*			

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Lisa Jansen

Lisa E. Jansen For Sheri L. Speaks
Project Manager

5/20/05

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Volatile Organic Compounds by EPA Methods 8260B/5035 - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51216 - EPA 5035 GCMS										
Blank (AE51216-BLK1)				Prepared & Analyzed: 05/11/05						**R-11**
Benzene	ND	0.17	mg/kg							
Toluene	ND	0.17	"							
Ethylbenzene	ND	0.17	"							
Xylenes (total)	ND	0.17	"							
Methyl tert-butyl ether	ND	0.17	"							
Surrogate: Bromofluorobenzene	*4.34*		"	*4.33*		*100*	*68-113*			
Surrogate: Dibromofluoromethane	*4.84*		"	*4.33*		*112*	*40-140*			
Surrogate: Toluene-d8	*5.33*		"	*4.33*		*123*	*61-119*			*S-GC*
LCS (AE51216-BS1)				Prepared & Analyzed: 05/11/05						
Benzene	1.71	0.17	mg/kg	1.73		98.8	72-123			
Toluene	1.89	0.17	"	1.73		109	72-126			
Ethylbenzene	1.87	0.17	"	1.73		108	71-125			
Xylenes (total)	5.41	0.17	"	5.19		104	67-127			
Methyl tert-butyl ether	1.91	0.17	"	1.73		110	71-127			
Surrogate: Bromofluorobenzene	*4.77*		"	*4.33*		*110*	*68-113*			
Surrogate: Dibromofluoromethane	*4.59*		"	*4.33*		*106*	*40-140*			
Surrogate: Toluene-d8	*5.16*		"	*4.33*		*119*	*61-119*			
LCS Dup (AE51216-BSD1)				Prepared & Analyzed: 05/11/05						
Benzene	1.57	0.17	mg/kg	1.73		90.8	72-123	8.54	25	
Toluene	1.71	0.17	"	1.73		98.8	72-126	10.0	25	
Ethylbenzene	1.70	0.17	"	1.73		98.3	71-125	9.52	25	
Xylenes (total)	5.08	0.17	"	5.19		97.9	67-127	6.29	25	
Methyl tert-butyl ether	1.79	0.17	"	1.73		103	71-127	6.49	25	
Surrogate: Bromofluorobenzene	*4.35*		"	*4.33*		*100*	*68-113*			

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Lisa Jansen

Lisa E. Jansen For Sheri L. Speaks
Project Manager

5/20/05

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Volatile Organic Compounds by EPA Methods 8260B/5035 - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51216 - EPA 5035 GCMS										
LCS Dup (AE51216-BSD1)				Prepared & Analyzed: 05/11/05						
Surrogate: Dibromofluoromethane	*4.12*		"	*4.33*		*95.2*	*40-140*			
Surrogate: Toluene-d8	*4.74*		"	*4.33*		*109*	*61-119*			
Matrix Spike (AE51216-MS1)	**Source: A505182-01**			Prepared: 05/11/05 Analyzed: 05/12/05						
Benzene	0.643	0.17	mg/kg	1.73	ND	37.2	49-137			QM-05
Toluene	0.778	0.17	"	1.73	ND	45.0	50-148			QM-05
Ethylbenzene	0.752	0.17	"	1.73	ND	43.5	55-138			QM-05
Xylenes (total)	2.26	0.17	"	5.19	ND	43.5	54-139			QM-05
Methyl tert-butyl ether	0.823	0.17	"	1.73	ND	47.6	50-140			QM-05
Surrogate: Bromofluorobenzene	*4.79*		"	*4.33*		*111*	*68-113*			
Surrogate: Dibromofluoromethane	*3.96*		"	*4.33*		*91.5*	*40-140*			
Surrogate: Toluene-d8	*5.09*		"	*4.33*		*118*	*61-119*			
Batch AE51612 - EPA 5035 GCMS										
Blank (AE51612-BLK1)				Prepared: 05/11/05 Analyzed: 05/12/05						
Benzene	ND	0.0050	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Surrogate: Bromofluorobenzene	*0.0237*		"	*0.0250*		*94.8*	*68-113*			
Surrogate: Dibromofluoromethane	*0.0256*		"	*0.0250*		*102*	*40-140*			
Surrogate: Toluene-d8	*0.0276*		"	*0.0250*		*110*	*61-119*			
LCS (AE51612-BS1)				Prepared: 05/11/05 Analyzed: 05/12/05						
Benzene	0.00438	0.0050	mg/kg	0.00500		87.6	72-123			

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Lisa Jansen

Lisa E. Jansen For Sheri L. Speaks
Project Manager

5/20/05

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Volatile Organic Compounds by EPA Methods 8260B/5035 - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51612 - EPA 5035 GCMS										
LCS (AE51612-BS1)				Prepared: 05/11/05 Analyzed: 05/12/05						
Toluene	0.00520	0.0050	"	0.00500		104	72-126			
Ethylbenzene	0.00491	0.0050	"	0.00500		98.2	71-125			
Xylenes (total)	0.0149	0.0050	"	0.0150		99.3	67-127			
Methyl tert-butyl ether	0.00576	0.0050	"	0.00500		115	71-127			
Surrogate: Bromofluorobenzene	*0.0274*		"	*0.0250*		*110*	*68-113*			
Surrogate: Dibromofluoromethane	*0.0228*		"	*0.0250*		*91.2*	*40-140*			
Surrogate: Toluene-d8	*0.0296*		"	*0.0250*		*118*	*61-119*			
LCS Dup (AE51612-BSD1)				Prepared: 05/11/05 Analyzed: 05/12/05						
Benzene	0.00441	0.0050	mg/kg	0.00500		88.2	72-123	0.683	25	
Toluene	0.00492	0.0050	"	0.00500		98.4	72-126	5.53	25	
Ethylbenzene	0.00464	0.0050	"	0.00500		92.8	71-125	5.65	25	
Xylenes (total)	0.0140	0.0050	"	0.0150		93.3	67-127	6.23	25	
Methyl tert-butyl ether	0.00561	0.0050	"	0.00500		112	71-127	2.64	25	
Surrogate: Bromofluorobenzene	*0.0263*		"	*0.0250*		*105*	*68-113*			
Surrogate: Dibromofluoromethane	*0.0270*		"	*0.0250*		*108*	*40-140*			
Surrogate: Toluene-d8	*0.0285*		"	*0.0250*		*114*	*61-119*			
Matrix Spike (AE51612-MS1)	**Source: A505248-01**			Prepared: 05/11/05 Analyzed: 05/12/05						
Benzene	0.00436	0.0050	mg/kg	0.00500	ND	87.2	49-137			
Toluene	0.00511	0.0050	"	0.00500	ND	102	50-148			
Ethylbenzene	0.00454	0.0050	"	0.00500	ND	90.8	55-138			
Xylenes (total)	0.0133	0.0050	"	0.0150	ND	88.7	54-139			
Methyl tert-butyl ether	0.00556	0.0050	"	0.00500	ND	111	50-140			
Surrogate: Bromofluorobenzene	*0.0244*		"	*0.0250*		*97.6*	*68-113*			
Surrogate: Dibromofluoromethane	*0.0263*		"	*0.0250*		*105*	*40-140*			

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Lisa Jansen

Lisa E. Jansen For Sheri L. Speaks
Project Manager

5/20/05

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Volatile Organic Compounds by EPA Methods 8260B/5035 - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51612 - EPA 5035 GCMS										
Matrix Spike (AE51612-MS1)	**Source: A505248-01**			Prepared: 05/11/05 Analyzed: 05/12/05						
Surrogate: Toluene-d8	*0.0280*		"	*0.0250*		*112*	*61-119*			

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Lisa Jansen

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Project Manager

5/20/05

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/20/05 08:56
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505227	05/06/2005 12:00	TRANSTEC	

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
R-11	All samples and QC in the batch were analyzed to meet high-level reporting limits.
R-06	The Reporting Limits for this analysis have been raised to account for matrix interference.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable .
QM-04	High RPD and/or poor percent recovery may reflect sample non-homogeneity.
QL-03	Although the LCS/LCSD recovery for this analyte is outside of in-house developed control limits, it is within the EPA recommended range of 70-130%.
QB-03	The method blank contains analyte at a concentration above the MRL; sample reporting limits were raised as necessary.
D-07	Analysis of this sample indicates the presence of hydrocarbons lower in molecular weight than diesel.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
PQL	Practical Quantitation Limit

4 voas

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
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Work Order
Chain of Custody Record

Lab No. A505227 Page 2 of 2

Company Name: Trans Tech	Project Name: fern Cafe	Project Number: 3057.01
Mailing Address:	Project Address: 606 Main St	
Project Contact (Hardcopy or PDF to):	P.O. # 3037	Quote #
Phone/Fax:	Bill to:	

Samplers Signature: [signature]

Signature below authorizes work under terms stated on reverse side.

Sample Designation	Sampling Date	Sampling Time	40ml VOA	Poly	Amber	Sleeve		HCL	HNO3	H2SO4		None	Water	Soil	tph-gas	tph-diesel	BTEX + 5 oxy's by 8260										For Lab Use Only
SB-15	5-5-05	2:05	X		X								X		X	X	X										5
SB-16	↓	2:30	X		X								X		X	X	X										6
SB-17	↓	5:45	X		X								X		X	X	X										7
SB-18	↓	6:15	X		X								X		X	X	X										8

TAT: 24 hr ○ 48 hr ○ (Lab Approval Required) 1 wk ○ 2 wk (standard) ●

Relinquished by:	Received by:	Date	Time
[signature]	Lisa Jansen	5/6/05	1200
Relinquished by:	Received by:	Date	Time
Relinquished by:	Received for Laboratory by:	Date	Time

California EDF Report? ⊗ Yes ○ No
Sampling Company Log Code:
Global ID:
EDF to (Email Address):
Drinking Water State System/Source Number:

Sample Condition on Receipt: 2.8
Travel and Site Time:
Mileage:
Misc. Supplies:

Encores

Alpha Analytical Laboratories Inc.

208 Mason Street, Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

Work Order
Chain of Custody Record

Lab No. A505227 Page 1 of 2

Company Name:	Project Name:	Project Number:
[redacted] Trans Tech	Fern Cafe	3057.01
Mailing Address:	**Project Address:** 606 Main St	
Project Contact (Hardcopy or PDF to):	**P.O. #** 3057	**Quote #**
Phone/Fax:	**Bill to:**	

Signature below authorizes work under terms stated on reverse side.

Samplers Signature:

Sample Designation	Sampling: Date	Sampling: Time	Container: 40ml VOA	Container: Poly	Container: Amber	Container: Sleeve	Preservative: HCL	Preservative: HNO3	Preservative: H2SO4	Preservative: None	Matrix: Water	Matrix: Soil	Analysis Request: Tph-g / BTEX / MTBE	Analysis Request: Tph-diesel	Analysis Request: Total Lead	Analysis Request: #	TAT
SB-15-5.5'	5-5-05	11:25										X					hold
SB-15-8.5		11:36										X	X	X		1	EPA 5035
SB-15-7.0		11:30										X					hold
SB-15-13.0		11:50										X	X	X			hold
SB-16-5.5'		12:50										X					hold
SB-16-10.5'		12:55										X	X	X		2	EPA 5035
SB-16-14'		1:05										X	X	X			hold
SB-17-10'		4:05										X	X	X		3	EPA 5035
SB-17-14'		4:10										X					hold
SB-18-10'		5:40										X	X	X		4	EPA 5035

Relinquished by:	Received by:	Date 5/6/05	Time 1200
Relinquished by:	Received by:	Date	Time
Relinquished by:	Received for Laboratory by:	Date	Time

For Lab Use Only

24 hr ○ 48 hr ○ Lab Approval Required 1 wk ○ 2 wk (standard) ●

California EDF Report? ● Yes ○ No

Sampling Company Log Code:

Global ID:

EDF to (Email Address):

Drinking Water State System/Source Number:

Sample Condition on Receipt: 2.8

Travel and Site Time:

Mileage:

Misc. Supplies: 24 8 oz jars @ 10.00 = 240

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
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19 May 2005

Trans Tech Consultants
Attn: Bill Wiggins
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
RE: Fern Cafe
Work Order: A505248

Enclosed are the results of analyses for samples received by the laboratory on 05/09/05 12:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nena M. Burgess For Sheri L. Speaks
Project Manager

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/19/05 16:30
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505248	05/09/2005 12:00	TRANSTEC	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-15-13.0	A505248-01	Soil	05/05/05 11:50	05/09/05 12:00
SB-16-14'	A505248-02	Soil	05/05/05 13:05	05/09/05 12:00

Receive date indicates date additional analyses requested. Actual receive date was 5/6/05.

Nena M. Burgess For Sheri L. Speaks
Project Manager

5/19/2005

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/19/05 16:30
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505248	05/09/2005 12:00	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
SB-15-13.0 (A505248-01)			**Sample Type: Soil**			**Sampled: 05/05/05 11:50**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AE51315	05/13/05	05/13/05	1	ND mg/kg		1.0	
TPH as Gasoline	8015GRO	AE51306	05/10/05	05/17/05	"	ND "		1.0	
Surrogate: 1,4-Bromofluorobenzene	*8015DRO*	*AE51315*	*05/13/05*	*05/13/05*		*58.4 %*	*20-152*		
Surrogate: 1,4-Bromofluorobenzene	*8015GRO*	*AE51306*	*05/10/05*	*05/17/05*		*90.0 %*	*60-156*		
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AE51612	05/11/05	05/12/05	1	ND mg/kg		0.0050	
Toluene	"	"	"	"	"	ND "		0.0050	
Ethylbenzene	"	"	"	"	"	ND "		0.0050	
Xylenes (total)	"	"	"	"	"	ND "		0.0050	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.0050	
Surrogate: Bromofluorobenzene	"	"	"	"		*104 %*	*68-113*		
Surrogate: Dibromofluoromethane	"	"	"	"		*111 %*	*40-140*		
Surrogate: Toluene-d8	"	"	"	"		*116 %*	*61-119*		
SB-16-14' (A505248-02)			**Sample Type: Soil**			**Sampled: 05/05/05 13:05**			
TPH by EPA/LUFT GC/GCMS Methods									
TPH as Diesel	8015DRO	AE51315	05/13/05	05/13/05	1	ND mg/kg		3.0	QB-03
TPH as Gasoline	8015GRO	AE51306	05/10/05	05/17/05	"	**1.5 "**		**1.0**	
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"		*80.8 %*	*60-156*		
Surrogate: 1,4-Bromofluorobenzene	*8015DRO*	*AE51315*	*05/13/05*	*05/13/05*		*63.7 %*	*20-152*		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks
Project Manager

5/19/2005

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/19/05 16:30
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505248	05/09/2005 12:00	TRANSTEC	

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT		PQL	NOTE
SB-16-14' (A505248-02)			**Sample Type: Soil**			**Sampled: 05/05/05 13:05**			
Volatile Organic Compounds by EPA Method 8260B									
Benzene	EPA 8260B	AE51612	05/11/05	05/13/05	1	ND mg/kg		0.0050	
Toluene	"	"	"	"	"	ND "		0.0050	
Ethylbenzene	"	"	"	"	"	ND "		0.0050	
Xylenes (total)	"	"	"	"	"	ND "		0.0050	
Methyl tert-butyl ether	"	"	"	"	"	ND "		0.0050	
Surrogate: Bromofluorobenzene	"	"	"	"		*108 %*	*68-113*		
Surrogate: Dibromofluoromethane	"	"	"	"		*122 %*	*40-140*		
Surrogate: Toluene-d8	"	"	"	"		*120 %*	*61-119*		*S-GC*

Nena M. Burgess For Sheri L. Speaks
Project Manager

5/19/2005

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Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505248	05/09/2005 12:00	TRANSTEC	

SourceResult

TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51306 - EPA 5030 Soil GC										
Blank (AE51306-BLK1)				Prepared & Analyzed: 05/17/05						
TPH as Gasoline	ND	1.0	mg/kg							
Surrogate: 1,4-Bromofluorobenzene	*3.89*		"	*4.00*		*97.2*	*60-156*			
LCS (AE51306-BS1)				Prepared & Analyzed: 05/17/05						
TPH as Gasoline	20.3	1.0	mg/kg	24.0		84.6	77-139			
Surrogate: 1,4-Bromofluorobenzene	*4.03*		"	*4.00*		*101*	*60-156*			
LCS (AE51306-BS2)				Prepared & Analyzed: 05/17/05						
TPH as Gasoline	20.9	1.0	mg/kg	24.0		87.1	77-139			
Surrogate: 1,4-Bromofluorobenzene	*3.90*		"	*4.00*		*97.5*	*60-156*			
Matrix Spike (AE51306-MS1)	**Source: A505248-02**			Prepared & Analyzed: 05/17/05						
TPH as Gasoline	19.6	1.0	mg/kg	24.0	1.5	75.4	72-138			
Surrogate: 1,4-Bromofluorobenzene	*3.87*		"	*4.00*		*96.8*	*60-156*			
Batch AE51315 - CA LUFT - orb shaker										
Blank (AE51315-BLK1)				Prepared & Analyzed: 05/13/05						
TPH as Diesel	1.75	1.0	mg/kg							QB-03
Surrogate: 1,4-Bromofluorobenzene	*7.15*		"	*11.6*		*61.6*	*20-152*			
LCS (AE51315-BS1)				Prepared & Analyzed: 05/13/05						
TPH as Diesel	37.2	1.0	mg/kg	39.2		94.9	63-126			
Surrogate: 1,4-Bromofluorobenzene	*8.41*		"	*11.6*		*72.5*	*20-152*			
Matrix Spike (AE51315-MS1)	**Source: A505227-04**			Prepared & Analyzed: 05/13/05						
TPH as Diesel	35.6	1.0	mg/kg	39.2	ND	90.8	61-134			

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Nena M. Burgess For Sheri L. Speaks
Project Manager

5/19/2005

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/19/05 16:30
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505248	05/09/2005 12:00	TRANSTEC	

TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51315 - CA LUFT - orb shaker										
Matrix Spike (AE51315-MS1)	**Source: A505227-04**			Prepared & Analyzed: 05/13/05						
Surrogate: 1,4-Bromofluorobenzene	*8.00*		"	*11.6*		*69.0*	*20-152*			
Matrix Spike Dup (AE51315-MSD1)	**Source: A505227-04**			Prepared & Analyzed: 05/13/05						
TPH as Diesel	36.4	1.0	mg/kg	39.2	ND	92.9	61-134	2.22	20	
Surrogate: 1,4-Bromofluorobenzene	*7.91*		"	*11.6*		*68.2*	*20-152*			

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/19/05 16:30
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505248	05/09/2005 12:00	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51612 - EPA 5035 GCMS										
Blank (AE51612-BLK1)				Prepared: 05/11/05 Analyzed: 05/12/05						
Benzene	ND	0.0050	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Surrogate: Bromofluorobenzene	*0.0237*		"	*0.0250*		*94.8*	*68-113*			
Surrogate: Dibromofluoromethane	*0.0256*		"	*0.0250*		*102*	*40-140*			
Surrogate: Toluene-d8	*0.0276*		"	*0.0250*		*110*	*61-119*			
LCS (AE51612-BS1)				Prepared: 05/11/05 Analyzed: 05/12/05						
Benzene	0.00438	0.0050	mg/kg	0.00500		87.6	72-123			
Toluene	0.00520	0.0050	"	0.00500		104	72-126			
Ethylbenzene	0.00491	0.0050	"	0.00500		98.2	71-125			
Xylenes (total)	0.0149	0.0050	"	0.0150		99.3	67-127			
Methyl tert-butyl ether	0.00576	0.0050	"	0.00500		115	71-127			
Surrogate: Bromofluorobenzene	*0.0274*		"	*0.0250*		*110*	*68-113*			
Surrogate: Dibromofluoromethane	*0.0228*		"	*0.0250*		*91.2*	*40-140*			
Surrogate: Toluene-d8	*0.0296*		"	*0.0250*		*118*	*61-119*			
LCS Dup (AE51612-BSD1)				Prepared: 05/11/05 Analyzed: 05/12/05						
Benzene	0.00441	0.0050	mg/kg	0.00500		88.2	72-123	0.683	25	
Toluene	0.00492	0.0050	"	0.00500		98.4	72-126	5.53	25	
Ethylbenzene	0.00464	0.0050	"	0.00500		92.8	71-125	5.65	25	
Xylenes (total)	0.0140	0.0050	"	0.0150		93.3	67-127	6.23	25	
Methyl tert-butyl ether	0.00561	0.0050	"	0.00500		112	71-127	2.64	25	
Surrogate: Bromofluorobenzene	*0.0263*		"	*0.0250*		*105*	*68-113*			

Nena M. Burgess For Sheri L. Speaks
Project Manager

5/19/2005

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
930 Shiloh Rd., Bldg.44, Suite J
Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/19/05 16:30
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505248	05/09/2005 12:00	TRANSTEC	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51612 - EPA 5035 GCMS										
LCS Dup (AE51612-BSD1)				Prepared: 05/11/05 Analyzed: 05/12/05						
Surrogate: Dibromofluoromethane	*0.0270*		"	*0.0250*		*108*	*40-140*			
Surrogate: Toluene-d8	*0.0285*		"	*0.0250*		*114*	*61-119*			
Matrix Spike (AE51612-MS1)	**Source: A505248-01**			Prepared: 05/11/05 Analyzed: 05/12/05						
Benzene	0.00436	0.0050	mg/kg	0.00500	ND	87.2	49-137			
Toluene	0.00511	0.0050	"	0.00500	ND	102	50-148			
Ethylbenzene	0.00454	0.0050	"	0.00500	ND	90.8	55-138			
Xylenes (total)	0.0133	0.0050	"	0.0150	ND	88.7	54-139			
Methyl tert-butyl ether	0.00556	0.0050	"	0.00500	ND	111	50-140			
Surrogate: Bromofluorobenzene	*0.0244*		"	*0.0250*		*97.6*	*68-113*			
Surrogate: Dibromofluoromethane	*0.0263*		"	*0.0250*		*105*	*40-140*			
Surrogate: Toluene-d8	*0.0280*		"	*0.0250*		*112*	*61-119*			

Nena M. Burgess For Sheri L. Speaks
Project Manager

5/19/2005

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CHEMICAL EXAMINATION REPORT

Trans Tech Consultants
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Windsor, CA 95492
Attn: Bill Wiggins

Report Date: 05/19/05 16:30
Project No: 3057.01
Project ID: Fern Cafe

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A505248	05/09/2005 12:00	TRANSTEC	

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates.
QB-03	The method blank contains analyte at a concentration above the MRL; sample reporting limits were raised as necessary.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
PQL	Practical Quantitation Limit

METAL CORES Per Lee Run
ENCORES SB-15-13 Analysis on COC
SB-16-14 5/9/05

SEE WORK ORDER A505248

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e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

Work Order
Chain of Custody Record

Lab No. A505227 Page 1 of 2

Company Name: ~~[illegible]~~ Trans Tech	Project Name: Fern Cafe	Project Number: 3057.01
Mailing Address:	Project Address: 606 Main St	
Project Contact (Hardcopy or PDF to):	P.O. # 3057	Quote #
Phone/Fax:	Bill to:	
Samplers Signature: [signature]		

Signature below authorizes work under terms stated on reverse side.

TAT: 24 hr ○ / 48 hr ○ (Lab Approval Required) / 1 wk ○ / 2 wk (standard) ●

Sample Designation	Date	Time	40ml VOA	Poly	Amber	Sleeve	HCL	HNO3	H2SO4	None	Water	Soil	Tph-g/BTEX/MTBE	Tph-diesel	Total lead		For Lab Use Only
SB-15-5.5	5-5-05	11:25										X					hold
SB-15-8.5	↓	11:35										X	X	X	X	1	EPA 5035
SB-15-7.0		11:30										X					hold
SB-15-13.0		11:50	A505248-1									X	X	X			hold
SB-16-5.5		12:50										X					hold
SB-16-10.5		12:55										X	X	X		2	EPA 5035
SB-16-14		1:05							-2			X	X	X			hold
SB-17-10		4:05										X	X	X		3	EPA 5035
SB-17-14		4:10										X					hold
SB-18-10	↓	5:40										X	X	X		4	EPA 5035

Relinquished by:	Received by:	Date	Time
[signature]	[signature]	5/6/05	1200
Relinquished by:	Received by:	Date	Time
Relinquished by:	Received for Laboratory by:	Date	Time

California EDF Report? ☒ Yes ○ No
Sampling Company Log Code:
Global ID:
EDF to (Email Address):
Drinking Water State System/Source Number:

Sample Condition on Receipt: 2.8
Travel and Site Time:
Mileage:
Misc. Supplies: 20 Encores @ $10.00 = 240-

shipper
4 voas

Alpha Analytical Laboratories Inc.
208 Mason Street, Ukiah, California 95482
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

Work Order
Chain of Custody Record

Lab No. A505227 Page 2 of 2

Company Name: Trans Tech	Project Name: Fern Cafe	Project Number: 3057.01
Mailing Address:	Project Address: 606 Main St	
Project Contact (Hardcopy or PDF to):	P.O. # 3037	Quote #
Phone/Fax:	Bill to:	

Samplers Signature: [signature]

Signature below authorizes work under terms stated on reverse side.

Sample Designation	Date	Time	40ml VOA	Poly	Amber	Sleeve	HCL	HNO3	H2SO4	None	Water	Soil	TPH-gas	TPH-diesel	BTEX + 5 oxy's by 8260	Lab
SB-15	5-5-05	2:05	X		X						X		X	X	X	5
SB-16	↓	2:30	X		X						X		X	X	X	6
SB-17	↓	5:45	X		X						X		X	X	X	7
SB-18	↓	6:15	X		X						X		X	X	X	8

TAT: 24 hr ○ 48 hr ○ Lab Approval Required; 1 wk ○ 2 wk (standard) ●

For Lab Use Only

Relinquished by:	Received by:	Date	Time
[signature]	[signature]	5/6/05	1200
Relinquished by:	Received by:	Date	Time
Relinquished by:	Received for Laboratory by:	Date	Time

California EDF Report? ⊗ Yes ○ No
Sampling Company Log Code:
Global ID:
EDF to (Email Address):
Drinking Water State System/Source Number:

Sample Condition on Receipt: 2.8 | Travel and Site Time: | Mileage: | Misc. Supplies:

DISTRIBUTION LIST
Investigation Summary Report
May 24, 2005
Job No. 3057.01
Fern Cafe
606 Main Street
Ferndale, California

Mr. Mark Verhey
Humboldt County Department of Public Health
Division of Environmental Health
100 H Street, Suite 100
Eureka, California 95501

Ms. Kasey Ashley
North Coast Regional Water
Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403